

# Protecting Endangered Species Interim Measures for Use of Pesticides in Kern County

The federal Endangered Species Act is intended to protect and promote the recovery of animals and plants that are in danger of becoming extinct due to human activities. Under the Act, the U.S. Environmental Protection Agency (U.S. EPA) must ensure that the use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. This program will protect endangered and threatened species from harm due to pesticide use.

The information provided in this bulletin is similar to what U.S. EPA expects to distribute once the Endangered Species Protection Program is in effect. Individuals who use pesticides during this interim period are not legally required to comply with these suggested measures. At the present time, compliance with the requirements specified on the pesticide product labeling will satisfy all legal requirements regarding pesticides and endangered species protection. While these pesticide use conditions do not yet have the force of law, they are being provided now for your use in voluntarily protecting endangered and threatened species.

Your comments are needed regarding the information presented in this publication. Please contact us to let us know whether the information is clear and correct. Also tell us to what extent following the recommended measures would affect your pesticide use program. This information will be considered by U.S. EPA during the final stages of program development.

Please submit comments to:  
DPR Pesticide Registration Branch  
830 K Street  
Sacramento, CA 95814  
(916) 324-3881  
rmarovich@cdpr.ca.gov  
<http://www.cdpr.ca.gov/docs/es/index.htm>



## About This Publication

This publication contains a map of the county including a shaded area where pesticide use should be limited to protect listed species. In the Section List, you will find additional information on the individual species that occur in each section, indexed by county, township, range and section.

The Species Descriptions table lists the taxonomic groups for each species. The Active Ingredients tables list certain pesticides and the activity category (mode of action, etc.) of the pesticide and the taxonomic groups they could adversely affect. The use limitations in this bulletin apply only to listed pesticides where the hazard class of the pesticide matches the hazard class (sensitivity of the taxonomic group) of the species that occur in the section where the pesticide will be used. Within a given section, use limitations only apply to sites that are consistent with habitat as noted in the Species Descriptions table. The Use Limitation Codes table indicates which use limitation codes apply to each species. The Use Limitations table translates limitation codes to use limitations.

## Does This Information Apply To You?

To determine whether this information applies to your use of a pesticide, review the questions below. The information applies only if you answer "yes" to all three of these questions:

- Do you intend to use pesticides within the shaded area on the map (p 3) that is further detailed in the Section List (p 45)? If so, note the species from the Section List.
- Are any of the ingredients included in your pesticide product named in the Active Ingredients tables (p 13, 20, 24, 27, 30)?
- If so, does the hazard class(es) of the pesticide you intend to use match one or more of the taxonomic groups of the species as shown in the Species Descriptions table (p 37)?

If you answer "yes" to all three questions, you should follow the instructions on "How to Use This Information" (p 2) to help protect listed species.

If you answer "no" to any of the above questions, this bulletin does not apply to you.



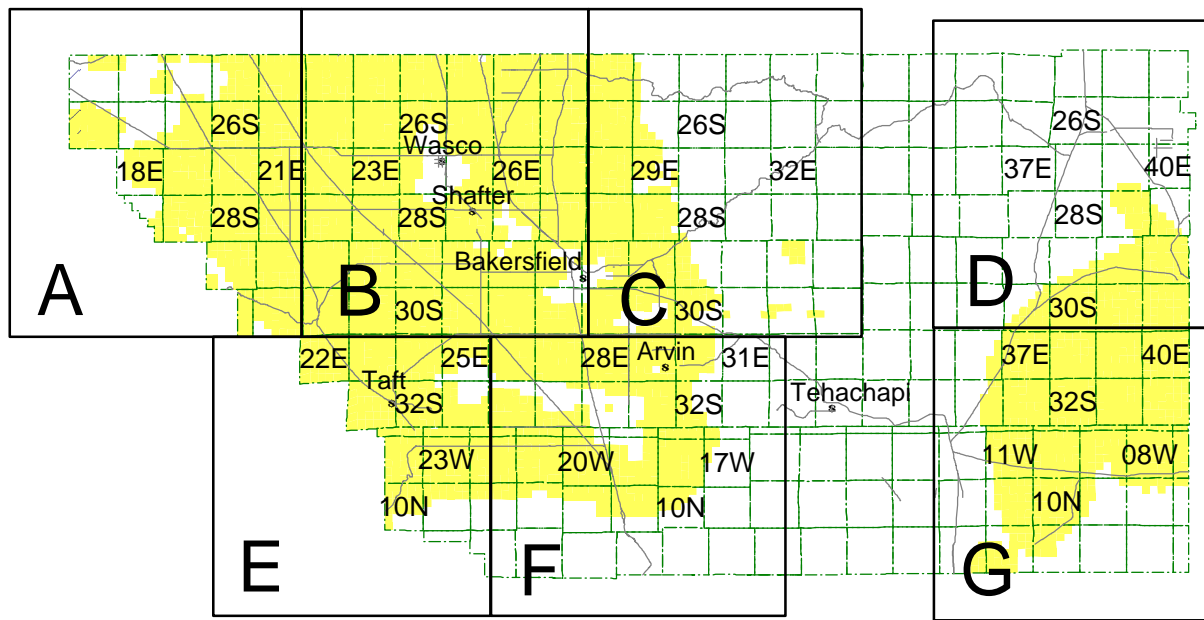
# How to Use This Information

---

See worksheets for each class of pesticide that you intend to use:

<u>Worksheets</u>	<u>Page</u>
Herbicides	11
Insecticides	18
Fungicides	23
Rodenticides - Grain Baits	26
Rodenticides - Fumigants	29

## Distribution of Species Addressed in This Bulletin



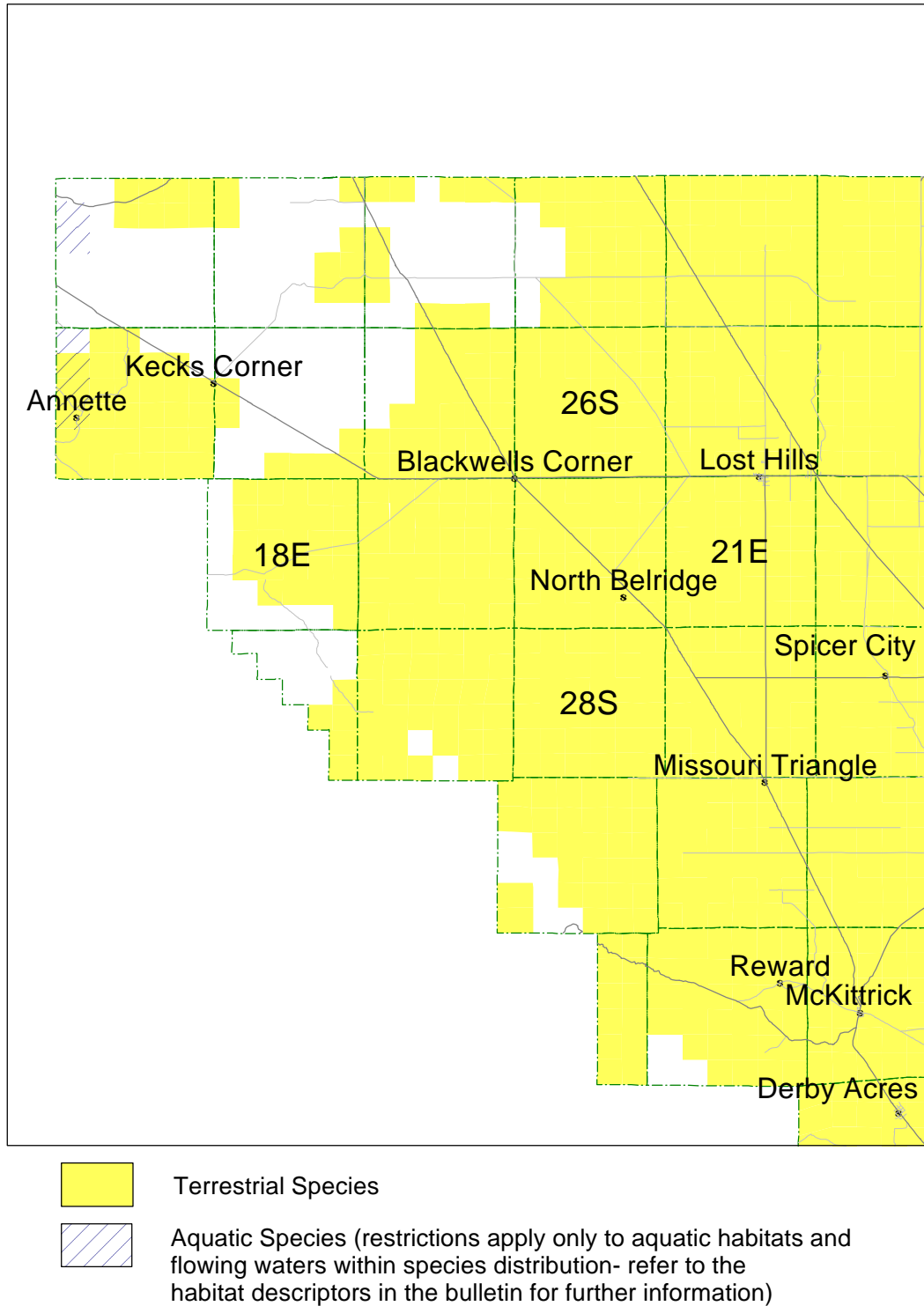
Terrestrial Species



Aquatic Species (restrictions apply only to aquatic habitats and flowing waters within species distribution- refer to the habitat descriptors in the bulletin for further information.)

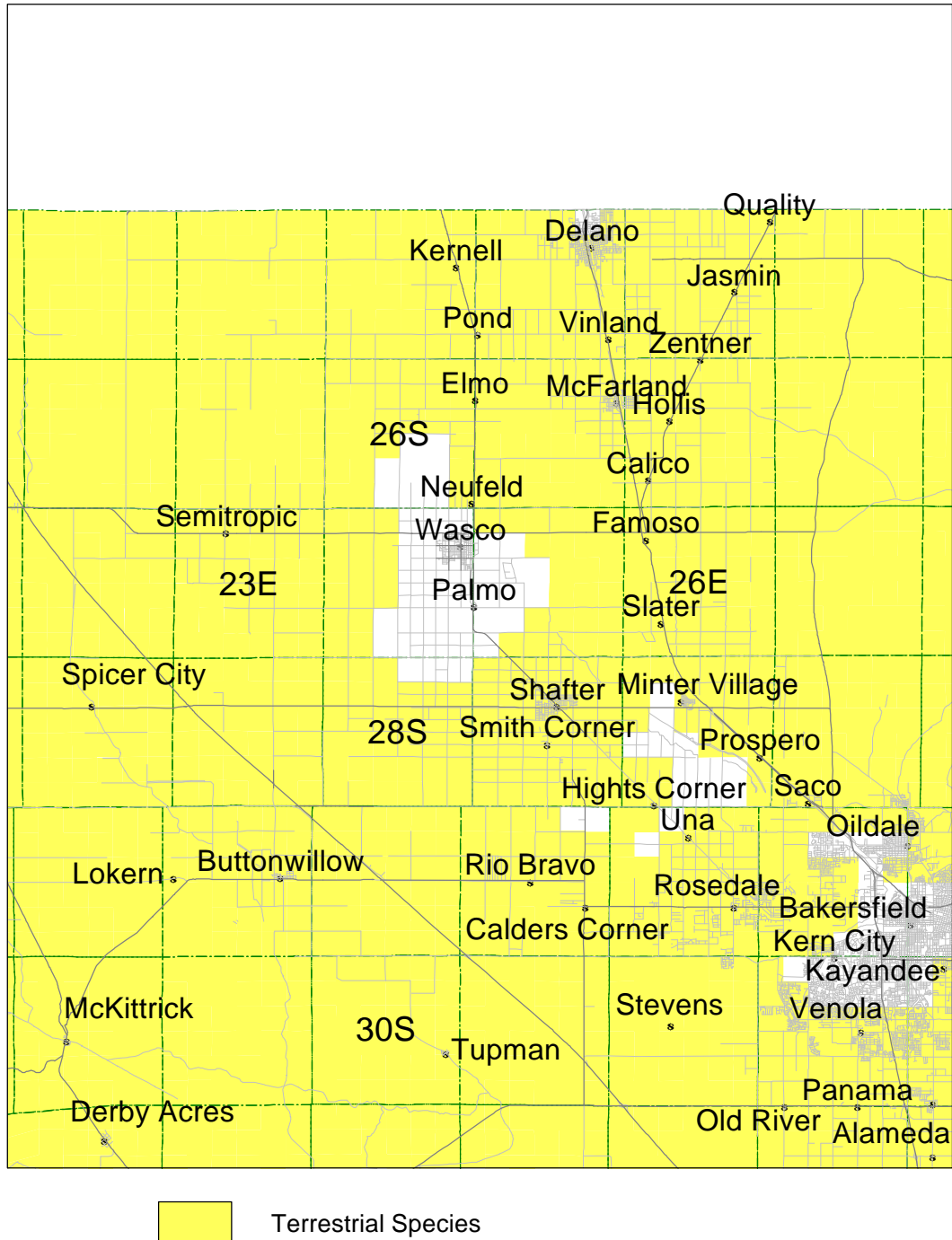
## Overview Map

## Distribution of Species Addressed in This Bulletin



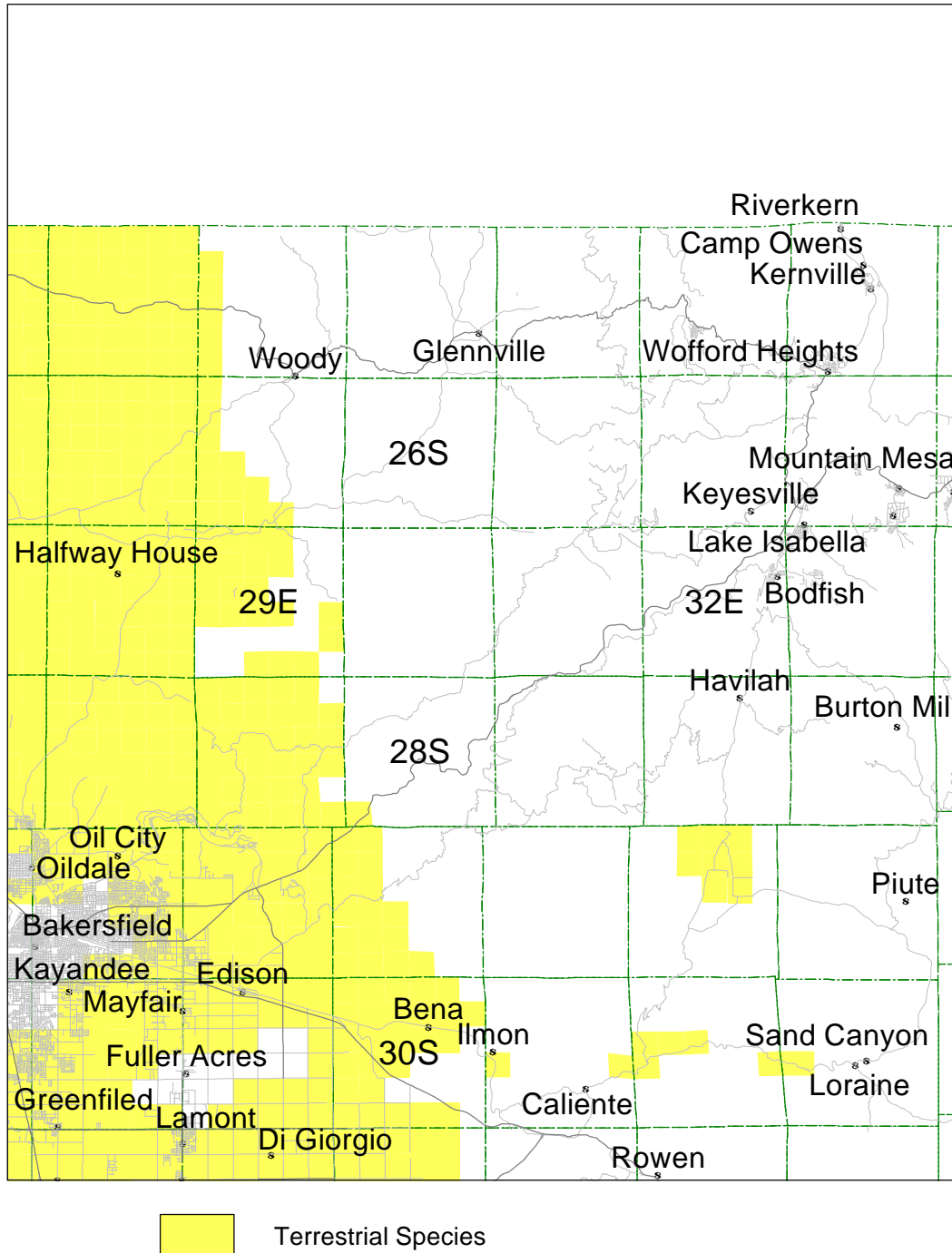
Detail Map A

## Distribution of Species Addressed in This Bulletin



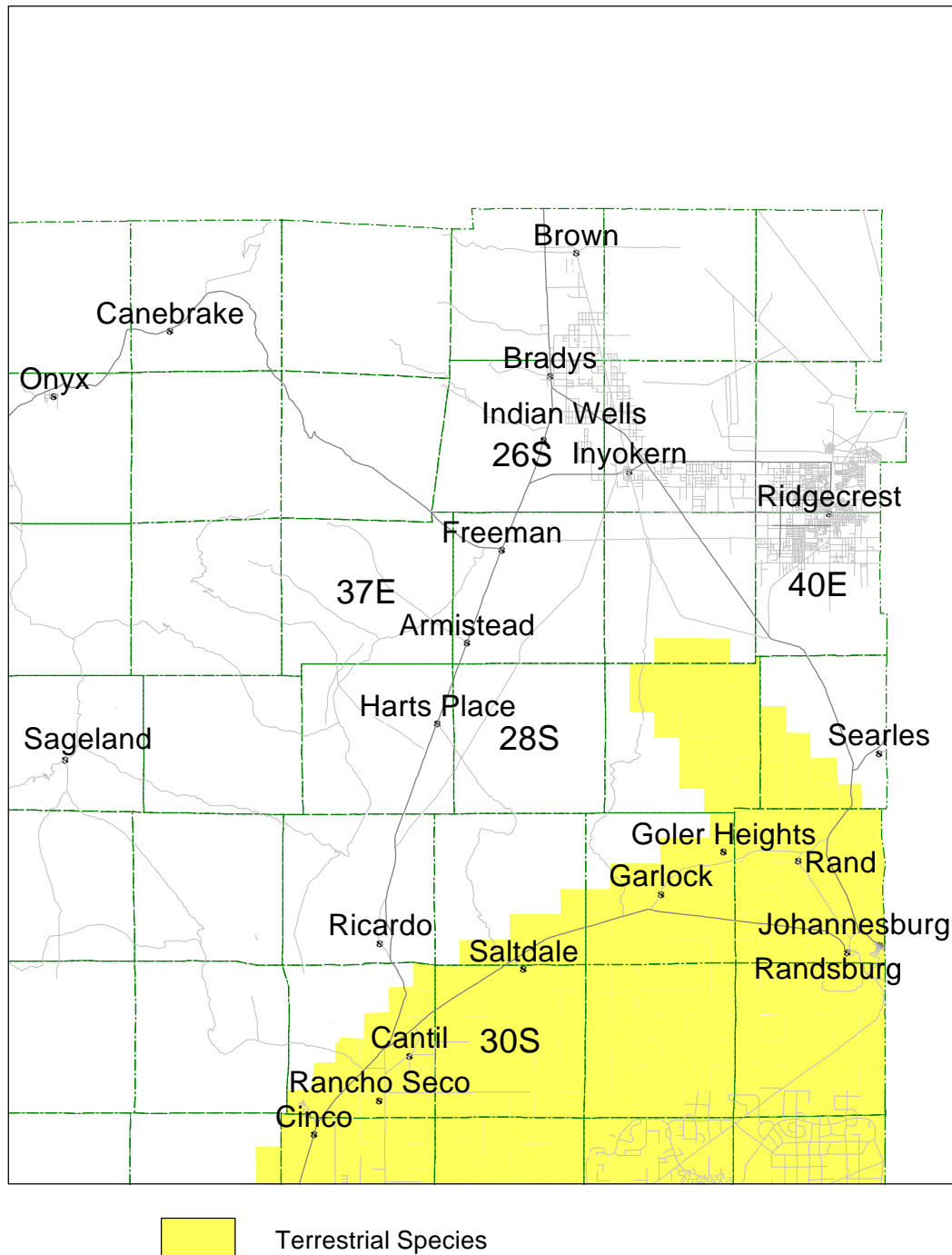
Detail Map B

## Distribution of Species Addressed in This Bulletin



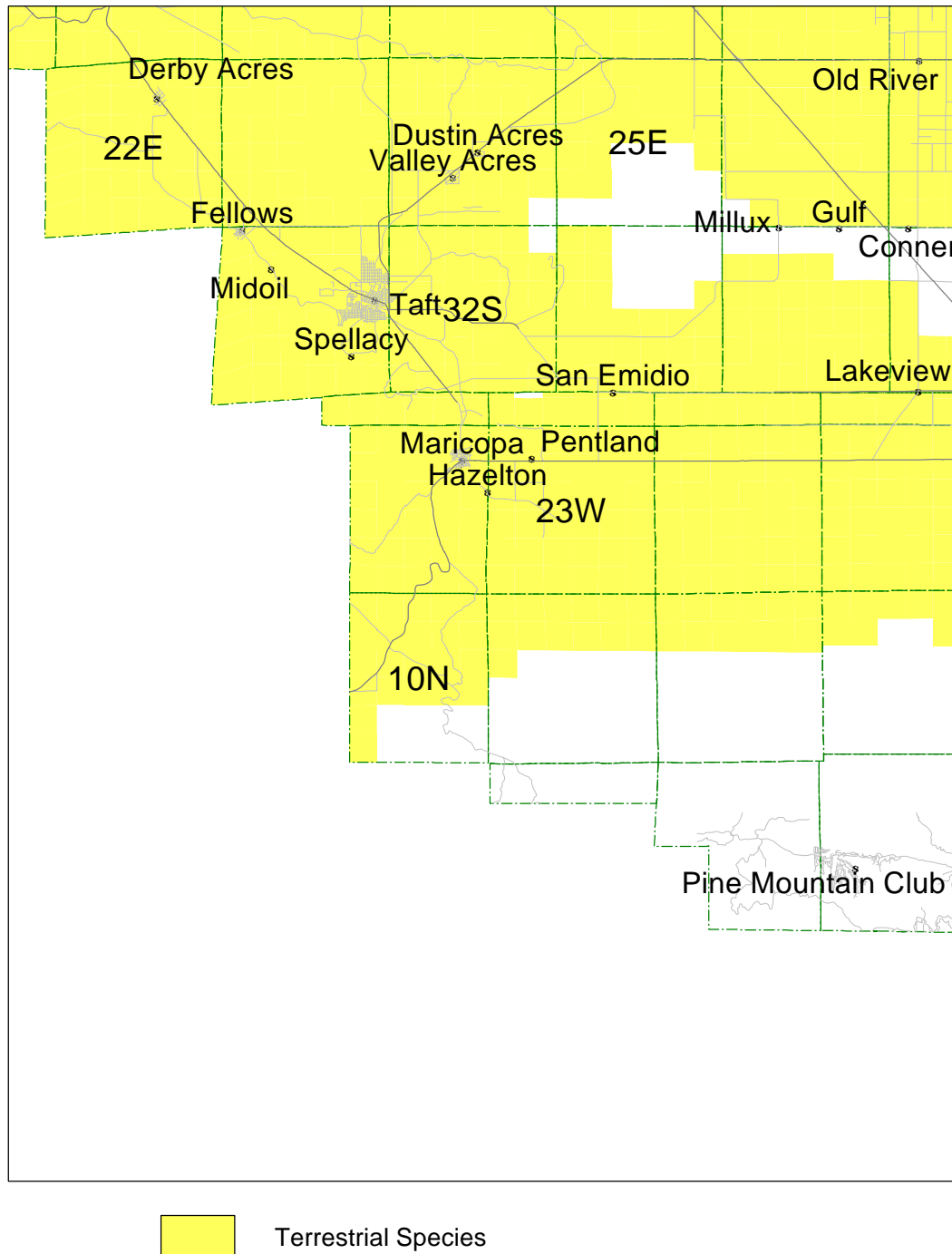
Detail Map C

## Distribution of Species Addressed in This Bulletin



Detail Map D

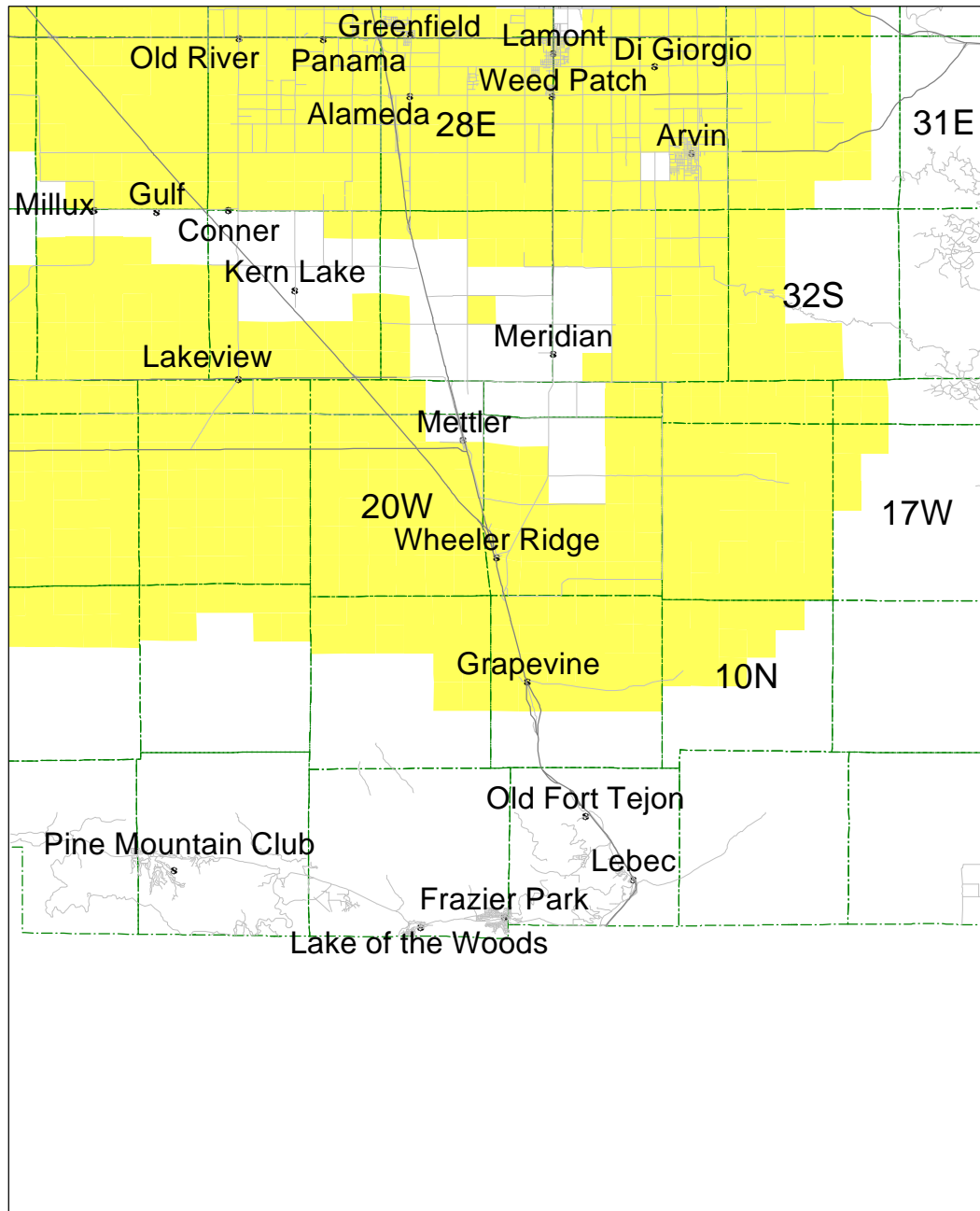
## Distribution of Species Addressed in This Bulletin




Detail Map E



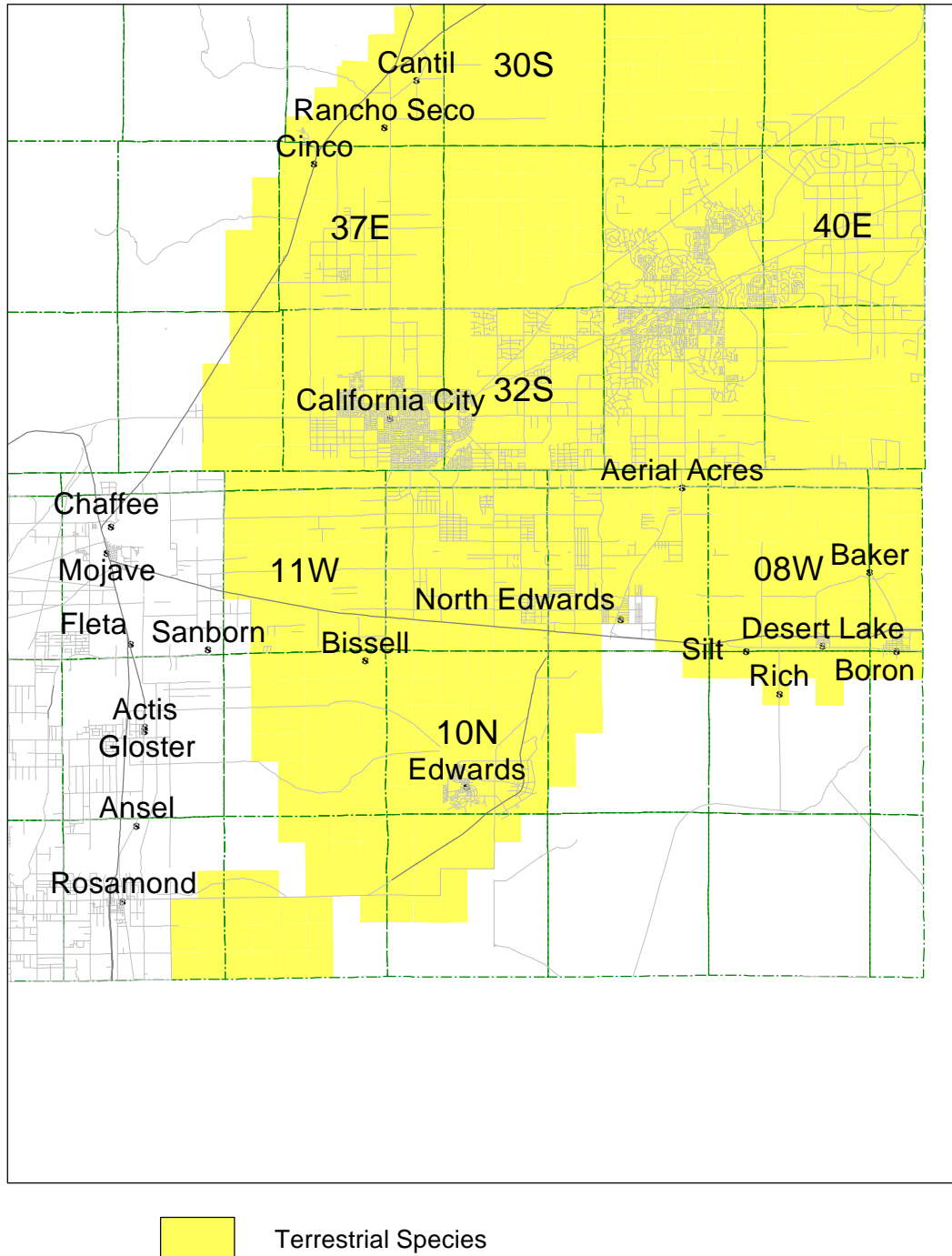
## Distribution of Species Addressed in This Bulletin



 Terrestrial Species

Detail Map F

## Distribution of Species Addressed in This Bulletin



Detail Map G

# Worksheet for Herbicides

For each section where you will apply herbicides:

1. Is the section inside of the shaded area on the county map (p 3)? Yes ( ) No ( )  
(if yes, or if you are unsure go on to #2, if no, this bulletin does not apply)
2. Is the section listed in the Section List (p45)? Yes ( ) No ( )  
(if yes, go on to #3, if no, this bulletin does not apply)
3. Is the active ingredient of the herbicide(s) you intend to use listed in the Active Ingredients table (p 13-16)? Yes ( ) No ( )  
(if yes, go on to #4, if no, this bulletin does not apply)
4. For each active ingredient, note the hazard class and activity category (from the Active Ingredients table).

herbicide active ingredient(s) (list each)	Hazard Class (check all that apply)			Activity Category (check one)				
	AQ	PD	PM	a	b	c	d	e
_____	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )

5. For each species in the section to be treated, look up the hazard class (taxonomic group) in the Species Descriptions table (p 37) and check all that apply.

AQ	PD	PM
( )	( )	( )

6. Does one or more hazard class(es) of the herbicide(s) from #4 match the hazard class (taxonomic group) for any of the species from #5? (if yes to any, go on to #7, if no, this bulletin does not apply) Yes ( ) No ( )

7. Look up the use limitation codes by hazard class and activity category in the Use Limitation Codes table in this section for each pesticide that you intend to use and check all use limitation codes that apply.

## Limitation Codes

11 ( )	15 ( )	16 ( )	17 ( )	19 ( )
--------	--------	--------	--------	--------

8. Follow the use limitations corresponding to each code as shown in the Use Limitations table (p 32). If more than one code applies and there is a conflict, follow the most restrictive limitation. Note that use limits apply only to sites that that match or (where buffer zones apply) are adjacent to sites that match the habitat description in the Species Descriptions table (p 37) for each species.

# Active Ingredients Tables

Active ingredients of pesticides covered by this bulletin are listed in separate tables on the following pages by classification as herbicides, insecticides, fungicides or rodenticides. The active ingredients table for each pesticide class specifies the activity category of each active ingredient and one or more hazard classes that are subsequently used to determine appropriate pesticide use limitations.

## Herbicide Exposure Categories

Herbicides are grouped by activity categories (a-e) that broadly define mode of action and use patterns that in turn determine potential routes of exposure to listed species. The activity category of an herbicide is the exposure component that is used with the hazard class of the pesticide and the taxonomic group of the species to define which pesticide use limitations (if any) to apply.

Activity Category	Description
<b>a</b>	Broad spectrum foliar active herbicides with systemic or contact activity and without pre-emergent or residual soil activity.
<b>b</b>	Herbicides with foliar activity on broadleaved plants (dicots) only.
<b>c</b>	Herbicides with foliar activity on grasses (monocots) only.
<b>d</b>	Broad spectrum herbicides with residual soil activity.
<b>e</b>	Broad spectrum, seedling stage, pre-emergent herbicides.

## Active Ingredients (Herbicides)

## Herbicides

Active Ingredients	Activity Category	Hazard Class		
		Aquatic Animals (AQ)	Plants	
			Dicot (PD)	Monocot* (PM)
2,4-D	b		X	
2,4-D, butoxyethanol ester	b	X	X	
2,4-D, dimethylamine salt	b		X	
2-(2,4-DP), dimethylamine salt	b		X	
4(2,4-DB), dimethylamine salt	b		X	
alachlor	d		X	X
atrazine	d		X	X
benefin	e	X	X	X
bensulfuron methyl	d		X	X
bensulide	d		X	X
bentazon, sodium salt	a		X	X
bromacil	d		X	X
bromoxynil	a	X	X	X
butylate	d		X	X
cacodylic acid	a		X	X
carfentrazone-ethyl	a		X	X
chlorsulfuron	d		X	
chlorthal-dimethyl	e		X	X
clethodim	c			X
clopyralid	b		X	
copper	a	X		
copper ethanolamine complex	a	X		

\* and gymnosperms

## Active Ingredients (Herbicides)

Active Ingredients	Activity Category	Hazard Class		
		Aquatic Animals	Plants	
			Dicot	Monocot*
copper sulfate (basic)	a	X		
copper sulfate pentahydrate	a	X		
cyanazine	d		X	X
cycloate	d		X	X
desmedipham	e		X	X
dicamba, dimethylamine salt	b		X	
dichlobenil	d		X	X
diclofop-methyl	c	X		X
difenzoquat methyl sulfate	a			X
diquat dibromide	a		X	X
dithiopyr	d	X	X	X
diuron	d		X	X
endothall, dipotassium salt	d		X	X
endothall, mono [N,N-dimethyl alkylamine] salt	d		X	X
EPTC	d		X	X
ethafluralin	e	X	X	X
ethofumesate	d		X	X
fenoxaprop	c			X
fluazifop-butyl	c			X
glufosinate	a		X	X
halosulfuron	d		X	X
imazethapyr	d		X	X
isoxaben	d		X	X

\* and gymnosperms

## Active Ingredients (Herbicides)

Active Ingredients	Activity Category	Hazard Class		
		Aquatic Animals (AQ)	Plants	
			Dicot (PD)	Monocot* (PM)
glyphosate, isopropylamine salt	a		X	X
glyphosate, monoammonium salt	a		X	X
hexazinone	d		X	X
imazapyr	d		X	X
linuron	d		X	X
MCPA, dimethylamine salt	b		X	
MCPP, dimethylamine salt	b		X	
metallochlor	d		X	X
metam-sodium	d	X	X	X
metribuzin	d		X	X
molinate	d		X	X
MSMA	a		X	X
napropamide	d		X	X
nicosulfuron	a		X	X
nonanoic acid	a		X	X
norflurazon	d		X	X
oryzalin	e		X	X
oxadiazon	e	X	X	X
oxyfluorfen	e	X	X	X
paraquat dichloride	a		X	X
pebulate	e		X	X

\* and gymnosperms

## Active Ingredients (Herbicides)

## Herbicides

Active Ingredients	Activity Category	Hazard Class		
		Aquatic Animals (AQ)	Plants	
			Dicot (PD)	Monocot* (PM)
pendimethalin	e	X	X	X
petroleum hydrocarbons	a		X	X
petroleum oil, unclassified	a		X	X
phenmedipham	b		X	
prometon	d		X	X
prometryn	d		X	
pronamide	d		X	X
propanil	a		X	X
pyrazon	d		X	X
pyrithiobac	b		X	
rimsulfuron	d		X	X
sethoxydim	c			X
simazine	d		X	X
sulfometuron, methyl	d		X	X
tebuthiuron	d		X	X
thiazopyr	d		X	X
thiobencarb	a		X	X
triclopyr, butoxyethyl ester	b	X	X	
triclopyr, triethylamine salt	b		X	
trifluralin	e	X	X	X

\* and gymnosperms



# Limitation Codes (Herbicides)

The following table identifies use limitation codes for each combination of hazard class (AQ, PM or PD) and herbicide activity category (a-e). Use the hazard class row(s) that corresponds with both (1) the pesticide (from the Active Ingredients table) and (2) the hazard class (taxonomic group) of the species in the section to be treated (as found in the Species Descriptions table) and the activity category column(s) that corresponds with the herbicide(s) you intend to use. If either (1) the hazard class (taxonomic group) of one or more species does not match at least one of the hazard class(es) of the herbicide you intend to use or (2) if the combination of activity category and hazard class results in a double dash (- -), then no use limitations apply. Note all applicable codes (11-19). These codes are translated in the Use Limitations table (p32)

<b>Hazard Class</b>	<b>Herbicide Activity Category</b>				
	<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>
<b>AQ</b>	11, 17	11, 17	11, 17	11, 15, 16, 17	11, 17
<b>PM</b>	11, 17	- -	11, 17	11, 16, 17, 19	11
<b>PD</b>	11, 17	11, 17	- -	11, 16, 17, 19	11

# Worksheet for Insecticides

For each section where you will apply insecticides:

1. Is the section inside of the shaded area on the county map (p 3)? Yes ( ) No ( )  
(if yes, or if you are unsure go on to #2, if no, this bulletin does not apply)
2. Is the section listed in the Section List (p 45)? Yes ( ) No ( )  
(if yes, go on to #3, if no, this bulletin does not apply)
3. Is the active ingredient of the insecticide(s) you intend to use listed in the Active Ingredients table (p 20-21)? Yes ( ) No ( )  
(if yes, go on to #4, if no, this bulletin does not apply)
4. For each active ingredient, note the hazard class and activity category (from the Active Ingredients table).

insecticide active ingredient(s) (list each)	Hazard Class (check all that apply)				Activity Category
	AQ	AV	IN	PD	i
_____	( )	( )	( )	( )	( x )
_____	( )	( )	( )	( )	( x )
_____	( )	( )	( )	( )	( x )
_____	( )	( )	( )	( )	( x )
_____	( )	( )	( )	( )	( x )

5. For each species in the section to be treated, look up the hazard class (taxonomic group) in the Species Descriptions table (p 37) and check all that apply.

AQ	AV	IN	PD
( )	( )	( )	( )

6. Does one or more toxicity class of the insecticide(s) from #4 match the hazard class (taxonomic group) for any of the species from #5? (if yes to any, go on to #7, if no, this bulletin does not apply) Yes ( ) No ( )
7. Look up the use limitation codes by hazard class and activity category in the Use Limitation Codes table in this section for each insecticide that you intend to use and check all use limitation codes that apply.

## Limitation Codes

10 ( )      15 ( )      16 ( )      17 ( )

8. Follow the use limitations corresponding to each code as shown in the Use Limitations table (p 32).  
If more than one code applies and there is a conflict, follow the most restrictive limitation. Note that use limits apply only to sites that that match or (where buffer zones apply) are adjacent to sites that match the habitat descriptions in the Species Descriptions table (p 37) for each species.

## Activity Categories of Insecticides

There is currently only one activity category for insecticides.

Activity Category	Description
<b>i</b>	Insecticides applied by any method

## Active Ingredients (Insecticides)

Active Ingredients	Activity Category	Hazard Class			
		Aquatic (AQ)	Avian (AV)	Insects (IN)	Plants-Dicot* (PD)
acephate	i			X	X
aldicarb	i	X	X		
amitraz	i	X		X	
avermectin	i	X		X	X
azinphos-methyl	i	X	X	X	X
Bacillus thuringiensis	i			X**	
bendiocarb	i	X	X	X	X
bifenthrin	i	X		X	X
buprofezin	i	X		X	X
carbaryl	i	X		X	X***
carbofuran	i	X	X	X	X
carbophenothion	i	X	X	X	X
chlorfenapyr	i	X		X	X
chlorpyrifos	i	X	X	X	X
cyfluthrin	i	X		X	X
cypermethrin	i	X		X	X
cyromazine `	i			X	X
diazinon	i	X	X	X	X
dicofol	i	X	X	X	X
dicrotophos	i	X	X	X	X
diflubenzuron	i	X	X	X	
disulfoton	i	X	X	X	X
endosulfan	i	X	X	X	X
esfenvalerate	i	X		X	X
ethion	i	X		X	
ethoprop	i	X	X	X	X
fenitrothion	i	X	X	X	X

Insecticides

\* Non-granular formulations, only when in bloom, to avoid possible adverse impacts on pollination.

\*\* Different strains of Bacillus thuringiensis are selective for different insects. Most strains target Lepidopterous pests only. See your county agricultural commissioner for details.

\*\*\* Except XLR formulation.

## Active Ingredients (Insecticides)

Active Ingredients	Activity Category	Hazard Class			
		Aquatic (AQ)	Avian (AV)	Insects (IN)	Plants-Dicot* (PD)
fenpropathrin	i	X		X	X
fenthion (livestock use)	i	X	X		
fenvalerate	i	X		X	X
fluvalinate	i	X		X	X
fonofos	i	X	X	X	X
imidacloprid	i			X	X
malathion	i	X		X	X
methamidophos	i		X	X	X
methidathion	i	X	X	X	X
methiocarb	i		X		X
methomyl	i	X	X	X	X
methyl parathion	i	X	X	X	X
mevinphos	i	X	X		X
naled	i	X		X	X
oxamyl	i	X	X	X	X
oxydemeton-methyl	i	X	X	X	X
parathion	i	X	X	X	X
permethrin	i	X		X	X
phorate	i	X	X	X	X
phosmet	i	X		X	X
profenphos	i	X		X	X
propargite	i	X		X	
pyrethrin	i	X		X	X
pyriproxyfen	i	X		X	
spinosad	i			X	X
tebufenozide	i	X		X	X
temephos	i	X	X	X	X
terbufos	i	X	X	X	X
thiodicarb (1)	i	X		X	X
tralomethrin (1)	i	X		X	X
trichlorfon (2)	i	X		X	

**Insecticides**

# Use Limitation Codes for Insecticides

The following table identifies use limitation codes for each combination of toxicity class (AQ, AV or IN) and activity category (i). Use the hazard class row that corresponds with the taxonomic group(s) of species in the section to be treated. Note all applicable codes (11-17). The double dash ( - ) indicates that no use limitations apply. These codes are translated in the Use Limitations table (p 32).

Hazard Class	Insecticide Activity Category
	i
AQ	10, 15, 16, 17
AV	10, 17
IN	10, 17
PD	10

# Worksheet for Fungicides

For each section where you will apply fungicides:

1. Is the section inside of the shaded area on the county map (p 3)? Yes ( ) No ( )  
(if yes, or if you are unsure go on to #2, if no, this bulletin does not apply)
2. Is the section listed in the Section List (p 45)? Yes ( ) No ( )  
(if yes, go on to #3, if no, this bulletin does not apply)
3. Is the active ingredient of the fungicide(s) you intend to use listed in the Active Ingredients table (p 24)?  
(if yes, go on to #4, if no, this bulletin does not apply) Yes ( ) No ( )
4. For each active ingredient, note the hazard class and activity category (from the Active Ingredients table).

fungicide active ingredient(s) (list each)	Hazard Class	Activity Category
	AQ	f
_____	( x )	( x )
_____	( x )	( x )
_____	( x )	( x )
_____	( x )	( x )
_____	( x )	( x )

5. For each species in the section to be treated, look up the hazard class (taxonomic group) in the Species Descriptions table (p 37) and check all that apply.

AQ  
( x )

6. Does one or more hazard class of the fungicide(s) from #4 match the hazard class (taxonomic group) for any of the species from #5? (if yes to any, go on to #7, if no, this bulletin does not apply) Yes ( ) No ( )
7. Look up the use limitation codes by hazard class and activity category in the Use Limitation Codes table in this section for each fungicide that you intend to use and check all use limitation codes that apply.

## Limitation Codes

10 ( x )

15 ( x )

16 ( x )

17 ( x )

8. Follow the use limitations corresponding to each code as shown in the Use Limitations table (p 32). If more than one code applies and there is a conflict, follow the most restrictive limitation. Note that use limits apply only to sites that that match or (where buffer zones apply) are adjacent to sites that match the habitat descriptions in the Species Descriptions (p 37) table for each species.

## Active Ingredients (Fungicides)

Active Ingredients	Activity Category	Hazard Class
		Aquatic (AQ)
Azoxystrobin	f	X
Benomyl	f	X
Captan	f	X
Carboxin	f	X
Chlorothalonil	f	X
Copper	f	X
Copper Ammonium Carbonate	f	X
Copper Ammonium Complex	f	X
Copper Hydroxide	f	X
Copper Octanoate	f	X
Copper Oxychloride	f	X
Copper Oxychloride Sulfate	f	X
Copper Salts of Fatty and Rosin Acids	f	X
Copper Sulfate (Basic)	f	X
Copper Sulfate (Pentahydrate)	f	X
Dazomet	f	X
Difenoconazole	f	X
Dimethomorph	f	X
Fenbuconazole	f	X
Fludioxonil	f	X
Mancozeb	f	X
Maneb	f	X
Manganese Sulfate	f	X
Oxythioquinox	f	X
PCNB	f	X
Piperalin	f	X
Propiconazole	f	X
Tebuconazole	f	X
Thiabendazole	f	X
Thiram	f	X
Triflumizole	f	X
Ziram	f	X
Zineb	f	X



## Use Limitation Codes for Fungicides

The following table identifies use limitation codes for the hazard class (AQ) and fungicide activity category (f). Note all applicable codes (10-17). These codes are translated on page 32.

<b>Hazard Class</b>	<b>Fungicide Activity Category</b>
	<b>f</b>
<b>AQ</b>	10, 15, 16, 17

# Worksheet for Grain Bait Rodenticides

For each section where you will apply grain bait rodenticides:

1. Is the section inside of the shaded area on the county map (p 3)? Yes ( ) No ( )  
(if yes, or if you are unsure go on to #2, if no, this bulletin does not apply)
2. Is the section listed in the Section List (p 45)? Yes ( ) No ( )  
(if yes, go on to #3, if no, this bulletin does not apply)
3. Is the active ingredient of the pesticide(s) you intend to use listed in the Active Ingredients table (p 27)? Yes ( ) No ( )  
(if yes, go on to #4, if no, this bulletin does not apply)
4. For each active ingredient, note the hazard class and activity category (from the Active Ingredients table).

Rodenticide active ingredient(s) (list each)	Hazard Class							Activity Category		
	BB	CB	GB	HM	KF	KR	LH	g	h	k
_____	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
_____	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )

5. For each species in the section to be treated, look up the hazard class (taxonomic group) in the Species Descriptions table (p 37) and check all that apply.

BB	CB	GB	HM	KF	KR	LH
( )	( )	( )	( )	( )	( )	( )

6. Does one or more hazard class of the pesticide(s) from #4 match the hazard class (taxonomic group) for any of the species from #5? (if yes to any, go on to #7, if no, this bulletin does not apply) Yes ( ) No ( )
7. Look up the use limitation codes by hazard class and activity category in the Use Limitation Codes table in this section for each pesticide that you intend to use and check all use limitation codes that apply.

Limitation Codes					
1A ( )	1B ( )	1C ( )	1D ( )	2 ( )	3 ( )
4 ( )	7 ( )	8 ( )	33 ( )	34 ( )	

8. Follow the use limitations corresponding to each code as shown in the Use Limitations table (p 32). If more than one code applies and there is a conflict, follow the most restrictive limitation. Note that use limits apply only to sites that match or (where buffer zones apply) are adjacent to sites that match the habitat descriptions in the Species Descriptions table (page 37) for each species.

## Active Ingredients (Rodenticides)

Active Ingredients	Activity Category	Hazard Class						
		Bait Box (BB)	Carni-vorous Birds (CB)	Grani-vorous Birds (GB)	Salt Marsh Harvest Mouse (HM)	Kit Fox (KF)	Kangaroo Rats (KR)	Very Limited Habitat (LH)
Brodifacoum	k	X	X	X	X	X	X	X
Bromadiolone	k	X	X	X	X	X	X	X
Bromethalin	k	X	X	X	X	X	X	X
Chlorophacinone	g	X	X	X	X	X	X	X
Difenacoum	k	X	X	X	X	X	X	X
Difethialone	k	X	X	X	X	X	X	X
Diphacinone	g	X	X	X	X	X	X	X
Pival	k	X	X	X	X	X	X	X
Vitamin D3	k	X	X	X	X	X	X	X
Warfarin	k	X	X	X	X	X	X	X
Zinc Phosphide	h	X	X	X	X	X	X	X

## Activity Categories of Grain Bait Rodenticides

Activity Category	Description
<b>g</b>	Field use chronic toxicant grain bait
<b>h</b>	Field use acute toxicant grain bait
<b>k</b>	Structural use rodenticide

# Use Limitation Codes for Rodenticide Grain Baits

The following table identifies use limitation codes for each combination of hazard class (BB, CB, etc.) and rodenticide activity category (g-k). Use the row(s) that corresponds with the hazard class (taxonomic group) of the species in the section to be treated and the rodenticide activity column(s) that corresponds with the rodenticide(s) you intend to use. Note all applicable codes (1-34). The double dash (- -) indicates that no use limitations apply. These codes are translated in the Use Limitations table (p 32)

<b>Hazard Class</b>	<b>Rodenticide Grain Bait Activity Category</b>		
	<b>g</b>	<b>h</b>	<b>k</b>
<b>BB</b>	7	7	7
<b>CB</b>	1D	- -	7
<b>GB</b>	1B, 1C	1B, 1C	7
<b>HM</b>	7 or 34	7 or 34	7
<b>KF</b>	1, 2, 3, 4	3	7
<b>KR</b>	8	8	7
<b>LH</b>	33	33	33

# Worksheet for Fumigant Rodenticides

For each section where you will apply fumigant rodenticides:

1. Is the section inside of the shaded area on the county map (p 3)?  
(if yes, or if you are unsure go on to #2, if no, this bulletin does not apply)

Yes ( ) No ( )
2. Is the section listed in the Section List (p 45)?  
(if yes, go on to #3, if no, this bulletin does not apply)

Yes ( ) No ( )
3. Is the active ingredient of the pesticide(s) you intend to use listed in the Active Ingredients table (p 30)?  
(if yes, go on to #4, if no, this bulletin does not apply)

Yes ( ) No ( )
4. For each active ingredient, note the hazard class and activity category (from the Active Ingredients table).

Rodenticide active ingredient(s) (list each)	Hazard Class					Activity Category
	S1	S2	LH	WW	FS	j
_____	( x )	( x )	( x )	( x )	( x )	( x )
_____	( x )	( x )	( x )	( x )	( x )	( x )
_____	( x )	( x )	( x )	( x )	( x )	( x )
_____	( x )	( x )	( x )	( x )	( x )	( x )
_____	( x )	( x )	( x )	( x )	( x )	( x )

5. For each species in the section to be treated, look up the hazard class (taxonomic group) in the Species Descriptions table (p 37) and check all that apply.

S1	S2	LH	WW	FS
( )	( )	( )	( )	( )

6. Does one or more hazard class of the pesticide(s) from #4 match the hazard class (taxonomic group) for any of the species from #5? (if yes to any, go on to #7, if no, this bulletin does not apply)

Yes ( ) No ( )
7. Look up the use limitation codes by hazard class and activity category in the Use Limitation Codes table in this section for each pesticide that you intend to use and check all use limitation codes that apply.

Limitation Codes				
5 ( )	30 ( )	31 ( )	32 ( )	33 ( )

8. Follow the use limitations corresponding to each code as shown in the Use Limitations table (p 32). If more than one code applies and there is a conflict, follow the most restrictive limitation. Note that use limits apply only to sites that that match or (where buffer zones apply) are adjacent to sites that match the habitat descriptions in the Species Descriptions table (p 37) for each species.

## Active Ingredients (Rodenticides - Burrow Fumigants)

Active Ingredients	Activity Category	Hazard Class				
		Seasonal Limitation 1 (S1)	Seasonal Limitation 2 (S2)	Limited Habitat (LH)	Waterways (WW)	Fossorial (Burrowing) Species (FS)
Acrolein	j	X	X	X	X	X
Aluminum phosphide	j	X	X	X	X	X
Magnesium phosphide	j	X	X	X	X	X
Sodium Nitrate	j	X	X	X	X	X
Potassium Nitrate	j	X	X	X	X	X

## Activity Categories of Burrow Fumigant Rodenticides

Activity Category	Description
<b>j</b>	Burrow Fumigants

# Use Limitation Codes for Fumigant Rodenticides

The following table identifies use limitation codes for each combination of hazard class (S1, S2, etc.) and fumigant rodenticide activity category (j). Use the hazard class row(s) that corresponds with the hazard class of the species (taxonomic group) in the section to be treated and the herbicide activity column(s) that corresponds with the fumigant(s) you intend to use. Note all applicable codes (5-32). These codes are translated in the Use Limitations table (p 32).

<b>Hazard Class</b>	<b>Fumigant Rodenticide Activity Category</b>
	<b>j</b>
<b>S1</b>	31, 5
<b>S2</b>	32, 5
<b>LH</b>	33
<b>WW</b>	30
<b>FS</b>	5

## Use Limitations

<b>1A</b>	<p><b>Bait station applications:</b>  <i>Formulation:</i> The active ingredient shall not exceed 0.005% in the formulated bait.</p>
<b>1B</b>	<p><i><b>Bait Station Design and Use:</b></i> Bait stations shall be designed with an opening that prevents access to non-target species (not to exceed 3") and controls bait spillage by feeding rodents. See your county agricultural commissioner for recommended designs and suggestions to retrofit existing stations. Bait stations shall be secured (e.g. staked) upright to prevent tipping and access by non-target animals. Bait stations shall not be filled beyond design capacity and in no case shall bait stations be filled with more than 10 lbs of bait.</p>
<b>1C</b>	<p><i><b>Station Monitoring:</b></i> While treated baits are in use, bait stations shall be inspected for spillage, evidence of disturbance by non-target animals, excess moisture from irrigation systems, etc. Problems shall be corrected before baiting is resumed. Any spilled baits shall be promptly cleaned up (scattering limited quantities of spilled bait in non-crop areas is acceptable if allowed by labeling). Bait stations shall be replenished with treated baits as needed to provide continuous exposure. After treated baits are accepted, as evidenced by consumption of baits, depletion of bait in the bait station shall be inspected at least weekly for depletion of bait and refilled until feeding ceases. Treated baits shall be promptly removed (or bait stations shall be sealed) from all stations after feeding has ceased. If subsequent baiting is needed, a two week period without use of treated baits shall be observed before baiting is resumed. This is to keep the period when treated bait is exposed to a minimum without jeopardizing good pest control.</p>
<b>1D</b>	<p><i><b>Carcass Survey and Disposal:</b></i> Carcass survey and disposal shall be performed in the treated area beginning on the third day following the initial exposure of toxic baits. Any exposed carcasses shall be disposed of (e.g., completely buried) in a manner inaccessible to wildlife. Carcass surveys shall continue for at least 5 days after toxic baiting has ceased and thereafter until no more carcasses are found. Carcasses should be handled with care to avoid contact with parasites such as fleas.</p>
<b>1E</b>	<p><i><b>Pre-baiting (optional):</b></i> Pre-baiting of bait stations with non-toxic (untreated) grains such as oats, oat groats or barley is optional, but may reduce the time period for carcass surveys. Pre-baiting will acclimate the pest species to feed in bait stations and should be continued until most of the target population is feeding from the stations. The period of toxic bait exposure may be shortened as will the period when pest carcasses may be exposed. The untreated grain need not be the same as the treated grain, but milo or cracked corn <b>should be strictly avoided</b> due to their attractiveness to birds.</p>



## Use Limitations

<b>2A</b>	<p><b>Broadcast (mechanical) and spot (hand) applications</b></p> <p><i>Formulation:</i> The active ingredient shall not exceed 0.01% in the formulated bait.</p>
<b>2B</b>	<p><i>Test Baiting/Bait Acceptance:</i> Prior to the main application of toxic baits by spot or broadcast method, a small amount of the bait shall be applied to determine bait acceptance. Test baits shall be broadcast by the same method that will be used for control baiting.</p>
<b>2C</b>	<p><i>Use of Treated Baits:</i> Use of treated baits shall begin only when bait acceptance is confirmed by consumption of test baits. Piling of baits shall be avoided. No additional applications shall be made whenever significant quantities of previously applied bait remain. Do not place baits directly into burrows. Do not exceed label application rates.</p> <p><b>Spot Baiting</b> - Scatter a handful of bait (about 10 handfulls per pound) evenly over 40 to 50 square feet near active burrows or runways. Repeat every other day until feeding ceases.</p> <p><b>Mechanical Spreader</b> - Apply at the rate of 10 pounds per swath acre through infested area. Follow with a second application in 2 to 3 days.</p>
<b>2D</b>	<p><i>Carcass Survey and Disposal:</i> See Limitation Code 1D.</p>
<b>3</b>	<p>Use of pelletized formulations for control of ground squirrels is prohibited, except in bait stations as described in Limitation Code 1 (A, B, C, E).</p>
<b>4</b>	<p>Jackrabbits may be controlled by using self-dispensing bait stations provided that:</p> <ul style="list-style-type: none"> <li>Bait acceptance is first determined.</li> <li>Carcasses are removed and stations are monitored as described in Limitation Codes 1C and 1D respectively.</li> <li>Baiting ceases when feeding stops.</li> <li>Baits are placed only where jackrabbits are active.</li> <li>Use of pelletized baits is prohibited.</li> </ul>

## Use Limitations

5	<p>Use shall be supervised by a person (wildlife biologist, county agricultural commissioner, university extension advisor, state or federal official or others) who is trained to distinguish dens and burrows of target species from those of non-target species. Use shall occur only in the active burrows of target species. The person responsible for supervision shall be aware of the conditions at the site of application and be available to direct and control the manner in which applications are made (per Section 6406 of Title 3, California Code of Regulations). Contact your county agricultural commissioner for information on training.</p>
7	<p>For commensal rodent control, outdoor use must be in tamper resistant bait boxes placed in areas inaccessible to wildlife.</p>
8	<p>Use is prohibited EXCEPT under any ONE of the following conditions (in all cases where toxic baits are applied, any spilled baits shall be immediately removed or buried to prevent exposure to non-target species): For commensal rodent control, outdoor use must be in tamper resistant bait boxes placed in areas inaccessible to wildlife.</p> <p>An approved bait station (see your county agricultural commissioner for approved designs) is used that is fitted with an entrance that provides selective access to pest species but does not allow access to kangaroo rats, OR</p> <p>Bait is placed only in bait stations that are elevated to preclude exposure to kangaroo rats, and designed to prevent spillage by rodents feeding (see your county agricultural commissioner for specifications), OR</p> <p>Baits are placed in bait stations during daylight hours only and are removed (or entrances are closed) by dusk each day, OR</p> <p>Broadcast application of baits is allowed in fields under active cultivation with the maintenance of a 10 yard wide border of untreated crops where fields are adjacent to areas of natural vegetation. For purposes of this provision, fields under active cultivation means fields that have been tilled within the last one year or that such fields are irrigated by furrow, flood or overlapping sprinkler method.</p>
10	<p>Do not use in currently occupied habitat (see Species Descriptions table for possible exceptions).</p>

## Use Limitations

Code	Limitation
<b>11</b>	Do not use in currently occupied habitat except: (1) as specified in Habitat Descriptors, (2) in organized habitat recovery programs, or (3) for selective control of invasive exotic plants.
<b>15</b>	Provide a 20 foot minimum strip of vegetation (on which pesticides should not be applied) along rivers, creeks, streams, wetlands, vernal pools and stock ponds or on the downhill side of fields where run-off could occur. Prepare land around fields to contain run-off by proper leveling, etc. Contain as much water "on-site" as possible. The planting of legumes, or other cover crops for several rows adjacent to off-target water sites is recommended. Mix pesticides in areas not prone to run-off such as concrete mixing/loading pads, disked soil in flat terrain or graveled mix pads, or use a suitable method to contain spills and/or rinsate. Properly empty and triple-rinse pesticide containers at time of use.
<b>16</b>	Conduct irrigations efficiently to prevent excessive loss of irrigation waters through run-off. Schedule irrigations and pesticide applications to maximize the interval of time between the pesticide application and the first subsequent irrigation. Allow at least 24 hours between application of pesticides listed in this bulletin and any irrigation that results in surface run-off into natural waters. Time applications to allow sprays to dry prior to rain or sprinkler irrigations. Do not make aerial applications while irrigation water is on the field unless surface run-off is contained for 72 hours following the application.
<b>17</b>	For sprayable or dust formulations: when the air is calm or moving away from habitat, commence applications on the side nearest the habitat and proceed away from the habitat. When air currents are moving toward habitat, do not make applications within 200 yards by air or 40 yards by ground upwind from occupied habitat. The county agricultural commissioner may reduce or waive buffer zones following a site inspection, if there is an adequate hedgerow, windbreak, riparian corridor or other physical barrier that substantially reduces the probability of drift.
<b>19</b>	Do not apply within 30 yards upslope of habitat unless a suitable method is used to contain or divert runoff waters.

## Use Limitations

<b>30</b>	Use is prohibited within 500 feet of water courses at any time, EXCEPT a) in cultivated areas
<b>31</b>	Use is prohibited from October 1 through April 30, EXCEPT: a) in cultivated areas, or b) on the water side of water supply channels
<b>32</b>	Use is prohibited from July 1 through February 28, EXCEPT: a) in cultivated areas, or b) on the water side of water supply channels.
<b>33</b>	Use is prohibited EXCEPT with a prior site evaluation by the county agricultural commissioner in cooperation with the California Department of Fish and Game and the U.S. Fish and Wildlife Service.
<b>34</b>	For commensal rodent control, outdoor use near salt marshes is limited to sites that are separated by at least 10 yards of barren (or clean cultivated) ground from pickleweed habitat or from the inland side of the levee. This buffer strip should be above the high tide line.

# Species Descriptions

## BAKERSFIELD CACTUS



**Photo:** Brousseau Collection

**Scientific Name:** *OPUNTIA BASILARIS VAR TRELEASEI*

**Federal Status:** Endangered

**Species Description:**

This "beaver-tail-type" cactus is small (1-2 feet tall), with narrow-based, oval pads, or joints. April and May it has showy, deep rose-colored flowers. Often grayish and shriveled from drought in hot weather.

**Habitat Description:**

COARSE OR COBBLY WELL-DRAINED GRANITIC SAND ON BLUFFS, LOW HILLS, AND FLATS WITHIN GRASSLAND. 90-550M. CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND. ENDEMIC TO KERN COUNTY.

**Hazard Class:**

**PD**

## BLUNT-NOSED LEOPARD LIZARD



**Photo:** B. "Moose" Peterson/WRP

**Scientific Name:** *GAMBELIA SILA*

**Federal Status:** Endangered

**Species Description:**

A relatively large lizard (to 4.5 inches from snout to vent) with a long, regenerative tail. It is multicolored with a striping pattern on its back, which breaks into spots as the lizard grows.

**Habitat Description:**

SEEKCOVER IN MAMMAL BURROWS, UNDER SHRUBS OR STRUCTURES SUCH AS FENCE POSTS; THEY DO NOT EXCAVATE THEIR OWN BURROWS. RESIDENT OF SPARSELY VEGETATED ALKALI AND DESERT SCRUB HABITATS, IN AREAS OF LOW TOPOGRAPHIC RELIEF.

**Hazard Class:**

**FS**

# Species Descriptions

## CALIFORNIA JEWEL-FLOWER



**Photo:** B. "Moose" Peterson/WRP

**Scientific Name:** *CAULANTHUS CALIFORNICUS*

**Federal Status:** Endangered

**Species Description:**

Annual to 1.5 feet with much branching, buds maroon turning translucent white, appearing Feb-March continuing until May depending on moisture.

**Habitat Description:**

HISTORICAL FROM VARIOUS VALLEY HABITATS IN BOTH CENTRAL V. AND CARRIZO PLAIN. 65-900M. CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, PINYON JUNIPER WOODLAND.

**Hazard Class:**

**PD**

## DESERT TORTOISE



**Photo:** Karen Wyatt

**Scientific Name:** *XEROBATES AGASSIZII*

**Federal Status:** Threatened

**Species Description:**

Adults range from 9.25 to 14.5 in. long, live 30 to 70 years, mostly in burrows, emerging to feed and mate in the late winter or early spring. Nesting occurs from May through July. Hatching usually occurs in September or October.

**Habitat Description:**

REQUIRE FRIABLE SOIL FOR BURROW AND NEST CONSTRUCTION. CREOSOTE BUSH HABITAT WITH LG ANNUAL WILDFLOWER BLOOMS PREFERRED. MOST COMMON IN DESERT SCRUB, DESERT WASH, AND JOSHUA TREE HABITATS; OCCURS IN ALMOST EVERY DESERT HABITAT.

**Hazard Class:**

**FS**

# Species Descriptions

## GIANT GARTER SNAKE



**Photo:** John Brode, CDFG

**Scientific Name:** *THAMNOPHIS GIGAS*

**Federal Status:** Threatened

**Species Description:**

A dull brown snake with a pale dorsal stripe and black markings, attaining lengths up to 4 feet, heavy bodied with a large head, feeds in aquatic sites, often found in irrigation ditches.

**Habitat Description:**

THIS IS THE MOST AQUATIC OF THE GARTER SNAKES IN CALIFORNIA. PREFERS FRESHWATER MARSH AND LOW GRADIENT STREAMS. HAS ADAPTED TO DRAINAGE CANALS & IRRIGATION DITCHES.

**Hazard Class:**

**FS, S1**

## GIANT KANGAROO RAT



**Photo:** B. "Moose" Peterson/WRP

**Scientific Name:** *DIPODOMYS INGENS*

**Federal Status:** Endangered

**Species Description:**

A nocturnal rodent, largest of the genus, measuring up to 13 inches from nose to end of tail.

**Habitat Description:**

NEED LEVEL TERRAIN & SANDY LOAM SOILS FOR BURROWING. ANNUAL GRASSLANDS ON THE WESTERN SIDE OF THE SAN JOAQUIN VALLEY, MARGINAL HABITAT IN ALKALI SCRUB.

**Hazard Class:**

**FS, KR**

# Species Descriptions

## KERN MALLOW



**Photo:** M.H. Wolfe

**Scientific Name:** *EREMALCHE KERNENSIS*

**Federal Status:** Endangered

**Species Description:**

A 2-4 inch tall annual with white or lavender-pinkish flowers from March to May, with fruits that look like segments of small cheese wheels.

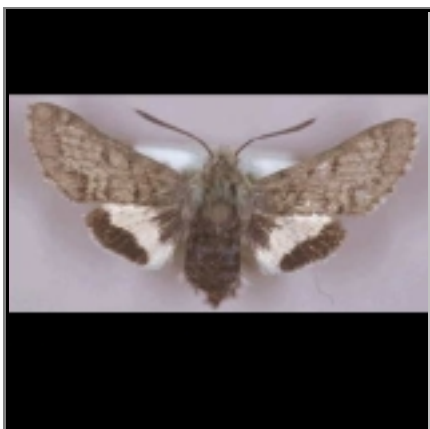
**Habitat Description:**

ON DRY, OPEN SANDY TO CLAYEY SOILS; USUALLY WITHIN VALLEY SALTBUCH SCRUB; OFTEN AT EDGE OF BALDS. 70-515M. CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND. ENDEMIC TO KERN COUNTY.

**Hazard Class:**

**PD**

## KERN PRIMROSE SPHINX MOTH



**Photo:** Paul Oplet

**Scientific Name:** *EUPROSERPINUS EUTERPE*

**Federal Status:** Threatened

**Species Description:**

A small day-flying moth with wingspan 1-3/4 to 2-1/8 inches, forewing upperside brown with black transverse lines throughout, hindwing upperside white with a black outer margin and black at the base.

**Habitat Description:**

HOST PLANT IS CAMISSONIA CONTORTA EPILOBIOIDES (EVENING PRIMROSE). ENDEMIC TO THE SANDY, ALLUVIAL SOILS OF WALKER BASIN, KERN COUNTY; 4850 FT ELEV.

**Hazard Class:**

**IN**



# Species Descriptions

## SAN JOAQUIN ADOBE SUNBURST



**Photo:** Rosalie Faubion

**Scientific Name:** *PSEUDOBABIA PEIRSONII*

**Federal Status:** Threatened

**Species Description:**

A few-branched annual 2 to 6 inches tall, covered throughout with white, wooly hairs, leaves narrow, alternate, three-lobed or entire with three blunt teeth at the apex, and 0.4 to 0.8 in. long, bright yellow flower heads in March or April.

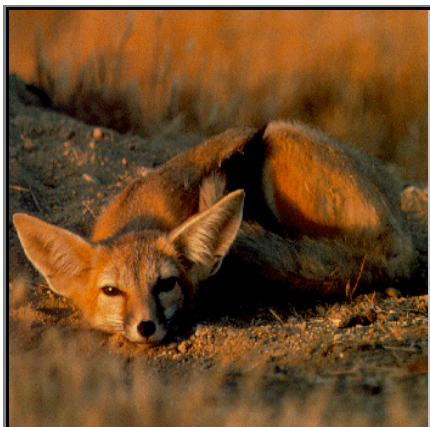
**Habitat Description:**

GRASSY VALLEY FLOORS AND ROLLING FOOTHILLS IN HEAVY CLAY SOIL. 85-800M. VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.

**Hazard Class:**

**PD**

## SAN JOAQUIN KIT FOX



**Photo:** Bernard Peyton

**Scientific Name:** *VULPES MACROTIS MUTICA*

**Federal Status:** Endangered

**Species Description:**

Large ears, slender body to 20 in. long and 12 in. shoulder height, 12" bushy cylindrical tail tapering toward the tip, average weight 4.6 to 5.0 pounds, light buff gray pelage on back, white underneath, black tipped tail.

**Habitat Description:**

NEED LOOSE-TEXTURED SANDY SOILS FOR BURROWING, AND SUITABLE PREY BASE. ANNUAL GRASSLANDS OR GRASSY OPEN STAGES WITH SCATTERED SHRUBBY VEGETATION.

**Hazard Class:**

**FS, KF**

# Species Descriptions

## SAN JOAQUIN WOOLLYTHREADS



**Photo:** B. "Moose" Peterson

**Scientific Name:** *LEMBERTIA CONGDONII*

**Federal Status:** Endangered

**Species Description:**

A small, inconspicuous plant with 3" trailing stems, 1-1/2" long and 1/4" wide leaves with wavy edges and covered with soft, white wooly hairs, tiny yellow flowers in February or March.

**Habitat Description:**

ALKALINE OR LOAMY PLAINS; SANDY SOILS, OFTEN WITH GRASSES AND WITHIN CHENOPOD SCRUB. 55-835M. CHENOPOD SCRUB AND VALLEY AND FOOTHILL GRASSLAND. ENDEMIC TO SAN JOAQUIN VALLEY.

**Hazard Class:**

**PD**

## STEELHEAD TROUT (CCV-ESU)



**Photo:** NMFS

**Scientific Name:** *ONCHORYNCHUS MYKISS*

**Federal Status:** Threatened

**Species Description:**

A genetically distinct and evolutionarily significant anadromous or freshwater fish related to rainbow and cutthroat trout.

**Habitat Description:**

COASTAL STREAMS

**Hazard Class:**

**AQ**

# Species Descriptions

## TIPTON KANGAROO RAT



**Photo:** B. "Moose" Peterson/WRP

**Scientific Name:** *DIPODOMYS NITRATOIDES NITRATOIDES*

**Federal Status:** Endangered

**Species Description:**

A nocturnal, buff-colored rodent with a white underside, white stripe on hip and each side of its tail, and dark stripe across its nose, head and body measure up to 4.33 inches combined with the tail adding 5 inches, with large head and eyes.

**Habitat Description:**

NEEDS SOFT FRIABLE SOILS WHICH ESCAPE SEASONAL FLOODING. DIGS BURROWS IN ELEVATED SOIL MOUNDS AT BASES OF SHRUBS. SALTBRUSH SCRUB AND SINK SCRUB COMMUNITIES IN THE TULARE LAKE BASIN OF THE SOUTHERN SAN JOAQUIN VALLEY.

**Hazard Class:**

**FS, KR**

## VALLEY ELDERBERRY LONGHORN BEETLE



**Photo:** Richard A. Arnold

**Scientific Name:** *DESMOCERUS CALIFORNICUS DIMORPHUS*

**Federal Status:** Threatened

**Species Description:**

Adults to 3/4-inch long, forewings on females dark metallic green with flame trimmings, males similar or red-black with dark green spots and prominent segmented antennae, appearing from elderberry bloom until June.

**Habitat Description:**

PREFERS TO LAY EGGS IN ELDERBERRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES. OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (*SAMBUCUS MEXICANA*).

**Hazard Class:**

**IN**

# Species Descriptions

## WESTERN SNOWY PLOVER



**Photo:** Don Baccus

**Scientific Name:** *CHARADRIUS ALEXANDRINUS NIVOSUS (NESTING)*

**Federal Status:** Threatened

**Species Description:**

A shore bird with compact body, short neck, large eyes, dark legs and beak, dark partial neckband, males with black forehead and breast markings, females with dark brown markings. Calls include a low pitched "krut" and "ku-wheet."

**Habitat Description:**

REQUIRES SANDY, GRAVELLY OR FRIABLE SOIL SUBSTRATE FOR NESTING. SANDY BEACHES ON MARINE AND ESTUARINE SHORES, ALSO SALT POND LEVEES AND THE SHORES OF LARGE ALKALI LAKES.

**Hazard Class:**

**AV**

## Section List - Kern County

Sections	Species
09N10W: S2-10,16-21	Desert Tortoise
09N11W: S1-4,10-15	Desert Tortoise
09N11W: S17-22	Western Snowy Plover
09N11W: S24	Desert Tortoise
09N11W: S27-34	Western Snowy Plover
09N12W: S13,23-26,35-36	Western Snowy Plover
10N07W: S5-6	Desert Tortoise
10N08W: S1-6,11	Desert Tortoise
10N09W: S1,5-8,17-19,30	Desert Tortoise
10N10W: S1-36	Desert Tortoise
10N11W: S1-5,8-17,20-28,33-36	Desert Tortoise
10N18W: S2-10,16-18	San Joaquin Kit Fox
10N19W: S1-8	San Joaquin Kit Fox
10N19W: S12-13	San Joaquin Kit Fox
10N19W: S14-16	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
10N19W: S17-20	San Joaquin Kit Fox
10N19W: S21-23	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
10N19W: S24	San Joaquin Kit Fox
10N19W: S9-11	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
10N20W: S1-14,23-24	San Joaquin Kit Fox
10N21W: S1-8,11-12	San Joaquin Kit Fox
10N22W: S1-12	San Joaquin Kit Fox
10N23W: S1-12,18	San Joaquin Kit Fox
10N24W: S1-5,8-15	San Joaquin Kit Fox
10N24W: S16-17,20-21	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
10N24W: S22-24	San Joaquin Kit Fox
10N24W: S29	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
10N24W: S32	Blunt-nosed Leopard Lizard
11N07W: S5-8,17-20,28-32	Desert Tortoise
11N08W: S1-36	Desert Tortoise
11N09W: S1-26,28-32,35-36	Desert Tortoise
11N10W: S1-36	Desert Tortoise
11N11W: S1-29,32-36	Desert Tortoise
11N17W: S5-7,18	San Joaquin Kit Fox
11N18W: S1-36	San Joaquin Kit Fox
11N19W: S1-2,7-8,11-14,17-36	San Joaquin Kit Fox
11N20W: S17-18	Bakersfield Cactus, San Joaquin Kit Fox
11N20W: S19-21	San Joaquin Kit Fox

## Section List - Kern County

Sections	Species
11N20W: S22	Bakersfield Cactus, San Joaquin Kit Fox
11N20W: S23-26	Bakersfield Cactus, Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N20W: S27-34	San Joaquin Kit Fox
11N20W: S3-16	San Joaquin Kit Fox
11N20W: S35-36	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N21W: S1-5	San Joaquin Kit Fox
11N21W: S18	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N21W: S19-22	San Joaquin Kit Fox
11N21W: S23	Bakersfield Cactus, San Joaquin Kit Fox
11N21W: S24-25	San Joaquin Kit Fox
11N21W: S26	Bakersfield Cactus, San Joaquin Kit Fox
11N21W: S27-36	San Joaquin Kit Fox
11N21W: S6-7	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N21W: S8-17	San Joaquin Kit Fox
11N22W: S1-2	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N22W: S11-14	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N22W: S15-36	San Joaquin Kit Fox
11N22W: S3-10	San Joaquin Kit Fox
11N23W: S1-2	San Joaquin Kit Fox
11N23W: S11-14	San Joaquin Kit Fox
11N23W: S15-17	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N23W: S18-19	San Joaquin Kit Fox
11N23W: S20-22	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N23W: S23-26	San Joaquin Kit Fox
11N23W: S27-29	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N23W: S3-4	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N23W: S30-32	San Joaquin Kit Fox
11N23W: S33	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N23W: S34-36	San Joaquin Kit Fox
11N23W: S5-7	San Joaquin Kit Fox
11N23W: S8-10	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
11N24W: S1-5,8-17,20-29,31-36	San Joaquin Kit Fox
12N07W: S31-32	Desert Tortoise
12N08W: S31-36	Desert Tortoise
12N09W: S31-36	Desert Tortoise
12N10W: S31-36	Desert Tortoise
12N11W: S31-36	Desert Tortoise
12N17W: S29-32	San Joaquin Kit Fox

## Section List - Kern County

Sections	Species
12N18W: S25-36	San Joaquin Kit Fox
12N19W: S25-26,35-36	San Joaquin Kit Fox
12N20W: S27-34	San Joaquin Kit Fox
12N21W: S25-36	San Joaquin Kit Fox
12N22W: S25-36	San Joaquin Kit Fox
12N23W: S25-28,30-36	San Joaquin Kit Fox
12N24W: S25-36	San Joaquin Kit Fox
25S17E: S1	Blunt-nosed Leopard Lizard
25S17E: S12	Blunt-nosed Leopard Lizard
25S17E: S18	Steelhead Trout (CCV-ESU)
25S17E: S2	Blunt-nosed Leopard Lizard, California Jewel-flower
25S17E: S3-4	California Jewel-flower
25S17E: S7	Steelhead Trout (CCV-ESU)
25S17E: S9-11	California Jewel-flower
25S18E: S1,6-7,23-26	Blunt-nosed Leopard Lizard
25S19E: S1-3,5-6,18-19,33	Blunt-nosed Leopard Lizard
25S19E: S34	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S19E: S35	San Joaquin Kit Fox
25S20E: S1-6,8-16,21-26	San Joaquin Kit Fox
25S20E: S27	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S20E: S28-29,32	Blunt-nosed Leopard Lizard
25S20E: S33-36	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S21E: S1-19	San Joaquin Kit Fox
25S21E: S20	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S21E: S21-24	San Joaquin Kit Fox
25S21E: S25	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S21E: S26-28	San Joaquin Kit Fox, San Joaquin Woollythreads
25S21E: S29	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S21E: S30	San Joaquin Kit Fox
25S21E: S31	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S21E: S32	San Joaquin Kit Fox
25S21E: S33-35	San Joaquin Kit Fox, San Joaquin Woollythreads
25S21E: S36	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S22E: S1	San Joaquin Kit Fox, Western Snowy Plover
25S22E: S10-11	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S22E: S12	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S22E: S13-15	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S22E: S16-21	San Joaquin Kit Fox, Tipton Kangaroo Rat

## Section List - Kern County

Sections	Species
25S22E: S2-3	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S22E: S22-27	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S22E: S28-34	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S22E: S35-36	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S22E: S4-5	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S22E: S6-7	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S22E: S8-9	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S1-4	San Joaquin Kit Fox
25S23E: S11	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S12-13	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S14-16	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S17	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S18	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S19	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S20	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S21-24	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S25	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S23E: S26-27	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S28	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S29-31	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S32-33	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S23E: S34-35	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S23E: S36	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S23E: S5-6	San Joaquin Kit Fox, Western Snowy Plover
25S23E: S7	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S23E: S8	San Joaquin Kit Fox
25S23E: S9-10	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S24E: S1	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S24E: S10-11	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S24E: S12	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S24E: S13-14	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S24E: S15-17	San Joaquin Kit Fox
25S24E: S18	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S24E: S19-24	San Joaquin Kit Fox
25S24E: S2	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S24E: S25-27	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S24E: S28-33	San Joaquin Kit Fox
25S24E: S3-4	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat



## Section List - Kern County

Sections	Species
25S24E: S34-36	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S24E: S5-6	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S24E: S7	San Joaquin Kit Fox, Tipton Kangaroo Rat
25S24E: S8-9	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S25E: S1,3-4	San Joaquin Kit Fox
25S25E: S16	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S25E: S17-24	San Joaquin Kit Fox
25S25E: S25-27	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S25E: S28-33	San Joaquin Kit Fox
25S25E: S34-36	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S25E: S5	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S25E: S6-7	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
25S25E: S8	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
25S25E: S9-15	San Joaquin Kit Fox
25S26E: S1-36	San Joaquin Kit Fox
25S27E: S1-36	San Joaquin Kit Fox
25S28E: S1-21	San Joaquin Kit Fox
25S28E: S22	San Joaquin Adobe Sunburst, San Joaquin Kit Fox
25S28E: S23-35	San Joaquin Kit Fox
25S28E: S36	San Joaquin Adobe Sunburst, San Joaquin Kit Fox
25S29E: S7,18-19,30-31	San Joaquin Kit Fox
26S17E: S18-19	San Joaquin Kit Fox, Steelhead Trout (CCV-ESU)
26S17E: S20	San Joaquin Kit Fox
26S17E: S21-23	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S17E: S24-25	San Joaquin Kit Fox
26S17E: S26-28	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S17E: S29-32	San Joaquin Kit Fox
26S17E: S33-35	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S17E: S36	San Joaquin Kit Fox
26S17E: S4-5	San Joaquin Kit Fox
26S17E: S6	Steelhead Trout (CCV-ESU)
26S17E: S7	San Joaquin Kit Fox, Steelhead Trout (CCV-ESU)
26S17E: S8-11,13-17	San Joaquin Kit Fox
26S18E: S18-19,33-36	San Joaquin Kit Fox
26S19E: S1	San Joaquin Kit Fox
26S19E: S12	San Joaquin Kit Fox
26S19E: S13-15	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S19E: S16,20-21	San Joaquin Kit Fox

## Section List - Kern County

Sections	Species
26S19E: S2-4,9-11	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S19E: S22-27	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S19E: S28-36	San Joaquin Kit Fox
26S20E: S1-5	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S20E: S11-12	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S20E: S13-36	San Joaquin Kit Fox
26S20E: S6-10	San Joaquin Kit Fox
26S21E: S1	San Joaquin Kit Fox
26S21E: S11-14	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S21E: S15-21	San Joaquin Kit Fox
26S21E: S2-3	San Joaquin Kit Fox, San Joaquin Woollythreads
26S21E: S22-24	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S21E: S25-26	Blunt-nosed Leopard Lizard, California Jewel-flower, San Joaquin Kit Fox, Tipton Kangaroo Rat
26S21E: S27	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S21E: S28-33	San Joaquin Kit Fox
26S21E: S34	California Jewel-flower, San Joaquin Kit Fox
26S21E: S35-36	Blunt-nosed Leopard Lizard, California Jewel-flower, San Joaquin Kit Fox, San Joaquin Woollythreads, Tipton Kangaroo Rat
26S21E: S4-5	San Joaquin Kit Fox
26S21E: S6	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S21E: S7-10	San Joaquin Kit Fox
26S22E: S1-5	San Joaquin Kit Fox, Tipton Kangaroo Rat
26S22E: S15-17	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
26S22E: S18	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S22E: S19-23	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
26S22E: S24	San Joaquin Kit Fox, Tipton Kangaroo Rat
26S22E: S25	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
26S22E: S26	Blunt-nosed Leopard Lizard, California Jewel-flower, San Joaquin Kit Fox, Tipton Kangaroo Rat
26S22E: S27-28	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, San Joaquin Woollythreads, Tipton Kangaroo Rat
26S22E: S29	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
26S22E: S30-31	Blunt-nosed Leopard Lizard, California Jewel-flower, San Joaquin Kit Fox, Tipton Kangaroo Rat
26S22E: S32	California Jewel-flower, San Joaquin Kit Fox, Tipton Kangaroo Rat
26S22E: S33	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, San Joaquin Woollythreads, Tipton Kangaroo Rat
26S22E: S34-35	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, San Joaquin Woollythreads

## Section List - Kern County

Sections	Species
26S22E: S36	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S22E: S6	San Joaquin Kit Fox
26S22E: S7	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S22E: S8-14	San Joaquin Kit Fox, Tipton Kangaroo Rat
26S23E: S1	San Joaquin Kit Fox
26S23E: S17-21	San Joaquin Kit Fox, Tipton Kangaroo Rat
26S23E: S2	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S23E: S22-29	San Joaquin Kit Fox
26S23E: S3-5	San Joaquin Kit Fox
26S23E: S30-33	San Joaquin Kit Fox, Tipton Kangaroo Rat
26S23E: S34-36	San Joaquin Kit Fox
26S23E: S6-7	San Joaquin Kit Fox, Tipton Kangaroo Rat
26S23E: S8-16	San Joaquin Kit Fox
26S24E: S1-2	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S24E: S10-14	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S24E: S15-21,24-25,29-32,36	San Joaquin Kit Fox
26S24E: S3-9	San Joaquin Kit Fox
26S25E: S1-3	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S25E: S4-36	San Joaquin Kit Fox
26S26E: S1	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S26E: S12-13	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S26E: S14-36	San Joaquin Kit Fox
26S26E: S2-11	San Joaquin Kit Fox
26S27E: S1-4	San Joaquin Kit Fox
26S27E: S10-11	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S27E: S12	San Joaquin Kit Fox
26S27E: S13-15	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S27E: S16	San Joaquin Kit Fox
26S27E: S17-18	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S27E: S19-21	San Joaquin Kit Fox
26S27E: S22-24	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S27E: S25-36	San Joaquin Kit Fox
26S27E: S5-8	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
26S27E: S9	San Joaquin Kit Fox
26S28E: S1-36	San Joaquin Kit Fox
26S29E: S6-7,18-20,28-34	San Joaquin Kit Fox
27S17E: S5	San Joaquin Kit Fox
27S18E: S1	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox

## Section List - Kern County

Sections	Species
27S18E: S2-5,8-17,20-28,36	San Joaquin Kit Fox
27S19E: S1-8	San Joaquin Kit Fox
27S19E: S12-13	San Joaquin Kit Fox
27S19E: S14-16	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
27S19E: S17-20	San Joaquin Kit Fox
27S19E: S21-23	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
27S19E: S24-36	San Joaquin Kit Fox
27S19E: S9-11	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
27S20E: S1-36	San Joaquin Kit Fox
27S21E: S1	Blunt-nosed Leopard Lizard, California Jewel-flower, San Joaquin Kit Fox, San Joaquin Woollythreads
27S21E: S2-3	California Jewel-flower, San Joaquin Kit Fox
27S21E: S4-36	San Joaquin Kit Fox
27S22E: S1	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
27S22E: S13	San Joaquin Kit Fox, Western Snowy Plover
27S22E: S14-15	San Joaquin Kit Fox
27S22E: S16	San Joaquin Kit Fox, Tipton Kangaroo Rat
27S22E: S17-20	San Joaquin Kit Fox
27S22E: S2	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, San Joaquin Woollythreads
27S22E: S21-22	San Joaquin Kit Fox, Tipton Kangaroo Rat
27S22E: S23	San Joaquin Kit Fox, Tipton Kangaroo Rat, Western Snowy Plover
27S22E: S24	San Joaquin Kit Fox, Western Snowy Plover
27S22E: S25-26	San Joaquin Kit Fox, Tipton Kangaroo Rat, Western Snowy Plover
27S22E: S27	San Joaquin Kit Fox, Tipton Kangaroo Rat
27S22E: S28-34	San Joaquin Kit Fox
27S22E: S3-4	San Joaquin Kit Fox, San Joaquin Woollythreads
27S22E: S35-36	San Joaquin Kit Fox, Tipton Kangaroo Rat
27S22E: S5-6	California Jewel-flower, San Joaquin Kit Fox
27S22E: S7-12	San Joaquin Kit Fox
27S23E: S1	San Joaquin Kit Fox
27S23E: S12-13	San Joaquin Kit Fox
27S23E: S14-16	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
27S23E: S17	San Joaquin Kit Fox
27S23E: S18	San Joaquin Kit Fox, Western Snowy Plover
27S23E: S19	San Joaquin Kit Fox, Tipton Kangaroo Rat, Western Snowy Plover
27S23E: S2-3	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
27S23E: S20	San Joaquin Kit Fox, Tipton Kangaroo Rat
27S23E: S21-28	San Joaquin Kit Fox

## Section List - Kern County

Sections	Species
27S23E: S29	San Joaquin Kit Fox, Tipton Kangaroo Rat
27S23E: S30	San Joaquin Kit Fox, Tipton Kangaroo Rat, Western Snowy Plover
27S23E: S31-33	San Joaquin Kit Fox, Tipton Kangaroo Rat
27S23E: S34-35	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
27S23E: S36	San Joaquin Kit Fox
27S23E: S4	San Joaquin Kit Fox
27S23E: S5	San Joaquin Kit Fox, Tipton Kangaroo Rat
27S23E: S6-8	San Joaquin Kit Fox
27S23E: S9-11	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
27S24E: S17-18	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
27S24E: S19-21,29-32	San Joaquin Kit Fox
27S24E: S4-6	San Joaquin Kit Fox
27S24E: S7-8	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
27S24E: S9,16	San Joaquin Kit Fox
27S25E: S1-6,9-15,22-28,32-36	San Joaquin Kit Fox
27S26E: S1-36	San Joaquin Kit Fox
27S27E: S1-12	San Joaquin Kit Fox
27S27E: S13-16	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
27S27E: S17-19	San Joaquin Kit Fox
27S27E: S20-32	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
27S27E: S33-34	San Joaquin Kit Fox
27S27E: S35	Bakersfield Cactus, San Joaquin Kit Fox
27S27E: S36	San Joaquin Kit Fox
27S28E: S1-36	San Joaquin Kit Fox
27S29E: S21-22,24-25	San Joaquin Adobe Sunburst
27S29E: S3-10,16-20	San Joaquin Kit Fox
27S29E: S33-35	California Jewel-flower
27S39E: S33-35	Desert Tortoise
28S18E: S13,23-25,36	San Joaquin Kit Fox
28S19E: S1-10	San Joaquin Kit Fox
28S19E: S11	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
28S19E: S12-13	San Joaquin Kit Fox
28S19E: S14	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
28S19E: S15-27,29-33,35-36	San Joaquin Kit Fox
28S20E: S1-8	San Joaquin Kit Fox
28S20E: S11-13	San Joaquin Kit Fox
28S20E: S14-15	San Joaquin Kit Fox, San Joaquin Woollythreads
28S20E: S16-21	San Joaquin Kit Fox

## Section List - Kern County

Sections	Species
28S20E: S22-24	San Joaquin Kit Fox, San Joaquin Woollythreads
28S20E: S25	San Joaquin Kit Fox
28S20E: S26-27	San Joaquin Kit Fox, San Joaquin Woollythreads
28S20E: S28-36	San Joaquin Kit Fox
28S20E: S9-10	San Joaquin Kit Fox, San Joaquin Woollythreads
28S21E: S1-36	San Joaquin Kit Fox
28S22E: S1-7	San Joaquin Kit Fox
28S22E: S10-11	San Joaquin Kit Fox
28S22E: S12-13	San Joaquin Kit Fox, Tipton Kangaroo Rat
28S22E: S14-15	San Joaquin Kit Fox
28S22E: S16-18	San Joaquin Kit Fox, San Joaquin Woollythreads
28S22E: S19	San Joaquin Kit Fox
28S22E: S20-21	San Joaquin Kit Fox, San Joaquin Woollythreads
28S22E: S22-31	San Joaquin Kit Fox
28S22E: S32-34	Kern Mallow, San Joaquin Kit Fox
28S22E: S35-36	San Joaquin Kit Fox
28S22E: S8-9	San Joaquin Kit Fox, San Joaquin Woollythreads
28S23E: S1	San Joaquin Kit Fox, Tipton Kangaroo Rat
28S23E: S10-11	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
28S23E: S12-15	San Joaquin Kit Fox, Tipton Kangaroo Rat
28S23E: S16-17	San Joaquin Kit Fox
28S23E: S18	Kern Mallow, San Joaquin Kit Fox, Tipton Kangaroo Rat
28S23E: S19	San Joaquin Kit Fox, Tipton Kangaroo Rat
28S23E: S2-4	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
28S23E: S20-24	San Joaquin Kit Fox
28S23E: S25-26	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
28S23E: S27-33	San Joaquin Kit Fox
28S23E: S34-35	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
28S23E: S36	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
28S23E: S5	San Joaquin Kit Fox, Tipton Kangaroo Rat
28S23E: S6	San Joaquin Kit Fox
28S23E: S7	Kern Mallow, San Joaquin Kit Fox, Tipton Kangaroo Rat
28S23E: S8-9	San Joaquin Kit Fox
28S24E: S18-19	San Joaquin Kit Fox, Tipton Kangaroo Rat
28S24E: S20-27	San Joaquin Kit Fox
28S24E: S28-29	San Joaquin Kit Fox, Tipton Kangaroo Rat
28S24E: S30-31	San Joaquin Kit Fox
28S24E: S32	San Joaquin Kit Fox, Tipton Kangaroo Rat

## Section List - Kern County

Sections	Species
28S24E: S33	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
28S24E: S34	San Joaquin Kit Fox
28S24E: S35	San Joaquin Kit Fox, Tipton Kangaroo Rat
28S24E: S36	San Joaquin Kit Fox
28S24E: S4-17	San Joaquin Kit Fox
28S25E: S1-24	San Joaquin Kit Fox
28S25E: S25	San Joaquin Kit Fox, San Joaquin Woollythreads
28S25E: S26-32	San Joaquin Kit Fox
28S25E: S33-34	San Joaquin Kit Fox, Tipton Kangaroo Rat
28S25E: S35	San Joaquin Kit Fox
28S25E: S36	San Joaquin Woollythreads
28S26E: S1-7,9	San Joaquin Kit Fox
28S26E: S10-11	San Joaquin Kit Fox, San Joaquin Woollythreads
28S26E: S12-13	San Joaquin Kit Fox
28S26E: S14-15	San Joaquin Kit Fox, San Joaquin Woollythreads
28S26E: S16	San Joaquin Woollythreads
28S26E: S18	San Joaquin Kit Fox
28S26E: S22	San Joaquin Woollythreads
28S26E: S23	San Joaquin Kit Fox, San Joaquin Woollythreads
28S26E: S24-25	San Joaquin Kit Fox
28S26E: S29-32	San Joaquin Woollythreads
28S26E: S36	San Joaquin Kit Fox, San Joaquin Woollythreads
28S27E: S1-7	San Joaquin Kit Fox
28S27E: S11-14	San Joaquin Kit Fox
28S27E: S15-17	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
28S27E: S18-19	San Joaquin Kit Fox
28S27E: S20-21	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
28S27E: S22-30	San Joaquin Kit Fox
28S27E: S31	San Joaquin Kit Fox, San Joaquin Woollythreads
28S27E: S32-33	San Joaquin Kit Fox
28S27E: S34-35	Bakersfield Cactus, San Joaquin Kit Fox
28S27E: S36	San Joaquin Kit Fox
28S27E: S8-10	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
28S28E: S1-26	San Joaquin Kit Fox
28S28E: S27	Bakersfield Cactus, San Joaquin Kit Fox
28S28E: S28-31	San Joaquin Kit Fox
28S28E: S32	Bakersfield Cactus, San Joaquin Kit Fox
28S28E: S33	San Joaquin Kit Fox

## Section List - Kern County

Sections	Species
28S28E: S34-36	Bakersfield Cactus, San Joaquin Kit Fox
28S29E: S10-11	California Jewel-flower, San Joaquin Kit Fox
28S29E: S12	San Joaquin Kit Fox
28S29E: S13-14	San Joaquin Adobe Sunburst, San Joaquin Kit Fox
28S29E: S15-22	San Joaquin Kit Fox
28S29E: S2-4	California Jewel-flower, San Joaquin Kit Fox
28S29E: S23-24	San Joaquin Adobe Sunburst, San Joaquin Kit Fox
28S29E: S26-36	San Joaquin Kit Fox
28S29E: S5-9	San Joaquin Kit Fox
28S30E: S31	Bakersfield Cactus
28S39E: S1-5,8-16,22-27,35-36	Desert Tortoise
28S40E: S18-20,28-34	Desert Tortoise
29S20E: S1-4	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S20E: S12-13	San Joaquin Kit Fox
29S20E: S14-15	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S20E: S16-17,21-28,30-31,34-36	San Joaquin Kit Fox
29S20E: S5-8	San Joaquin Kit Fox
29S20E: S9-11	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S21E: S1	San Joaquin Kit Fox
29S21E: S10	Kern Mallow, San Joaquin Kit Fox
29S21E: S11	Blunt-nosed Leopard Lizard, Kern Mallow, San Joaquin Kit Fox
29S21E: S12-22	San Joaquin Kit Fox
29S21E: S2	Blunt-nosed Leopard Lizard, Kern Mallow, San Joaquin Kit Fox
29S21E: S23-24	Kern Mallow, San Joaquin Kit Fox
29S21E: S25-36	San Joaquin Kit Fox
29S21E: S3-8	San Joaquin Kit Fox
29S21E: S9	San Joaquin Kit Fox, San Joaquin Woollythreads
29S22E: S1	San Joaquin Kit Fox
29S22E: S10-12	Kern Mallow, San Joaquin Kit Fox
29S22E: S13	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, Kern Mallow, San Joaquin Kit Fox
29S22E: S14	Giant Kangaroo Rat, Kern Mallow, San Joaquin Kit Fox
29S22E: S15-16	Kern Mallow, San Joaquin Kit Fox
29S22E: S17	San Joaquin Kit Fox
29S22E: S18-19	Kern Mallow, San Joaquin Kit Fox
29S22E: S2-4	Kern Mallow, San Joaquin Kit Fox
29S22E: S20-21	Blunt-nosed Leopard Lizard, Kern Mallow, San Joaquin Kit Fox
29S22E: S22	Kern Mallow, San Joaquin Kit Fox



## Section List - Kern County

Sections	Species
29S22E: S23	Giant Kangaroo Rat, Kern Mallow, San Joaquin Kit Fox
29S22E: S24	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, Kern Mallow, San Joaquin Kit Fox
29S22E: S25	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, San Joaquin Kit Fox
29S22E: S26	Giant Kangaroo Rat, Kern Mallow, San Joaquin Kit Fox
29S22E: S27	Kern Mallow, San Joaquin Kit Fox
29S22E: S28-29	Blunt-nosed Leopard Lizard, Kern Mallow, San Joaquin Kit Fox
29S22E: S30	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S22E: S31	San Joaquin Kit Fox
29S22E: S32-33	Blunt-nosed Leopard Lizard, Kern Mallow, San Joaquin Kit Fox
29S22E: S34	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S22E: S35-36	Giant Kangaroo Rat, San Joaquin Kit Fox
29S22E: S5-9	San Joaquin Kit Fox
29S23E: S1	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
29S23E: S13-15	Giant Garter Snake, San Joaquin Kit Fox
29S23E: S16	San Joaquin Kit Fox
29S23E: S17	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S23E: S18-19	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, Kern Mallow, San Joaquin Kit Fox
29S23E: S2	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S23E: S20	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, San Joaquin Kit Fox
29S23E: S21	San Joaquin Kit Fox
29S23E: S22-27	Giant Garter Snake, San Joaquin Kit Fox
29S23E: S28	Giant Kangaroo Rat, San Joaquin Kit Fox
29S23E: S29-30	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, Kern Mallow, San Joaquin Kit Fox
29S23E: S3-12	San Joaquin Kit Fox
29S23E: S31	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, San Joaquin Kit Fox
29S23E: S32-34	Giant Kangaroo Rat, San Joaquin Kit Fox
29S23E: S35-36	San Joaquin Kit Fox
29S24E: S1-2	San Joaquin Kit Fox
29S24E: S10	San Joaquin Kit Fox
29S24E: S11-14	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S24E: S15	San Joaquin Kit Fox
29S24E: S16-17	San Joaquin Kit Fox, Tipton Kangaroo Rat
29S24E: S18-20	San Joaquin Kit Fox
29S24E: S21-22	San Joaquin Kit Fox, Tipton Kangaroo Rat
29S24E: S23-36	San Joaquin Kit Fox
29S24E: S3-5	San Joaquin Kit Fox, Tipton Kangaroo Rat

## Section List - Kern County

Sections	Species
29S24E: S6	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
29S24E: S7-9	San Joaquin Kit Fox, Tipton Kangaroo Rat
29S25E: S12-13	San Joaquin Woollythreads
29S25E: S14-18	San Joaquin Kit Fox
29S25E: S19-20	San Joaquin Kit Fox, Tipton Kangaroo Rat
29S25E: S21-22	San Joaquin Kit Fox
29S25E: S23	San Joaquin Kit Fox, San Joaquin Woollythreads
29S25E: S24	San Joaquin Woollythreads
29S25E: S25-26	San Joaquin Kit Fox, San Joaquin Woollythreads
29S25E: S27-30	San Joaquin Kit Fox
29S25E: S3-11	San Joaquin Kit Fox
29S25E: S31-34	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S25E: S35-36	San Joaquin Kit Fox
29S26E: S1	San Joaquin Kit Fox, San Joaquin Woollythreads
29S26E: S13-16	San Joaquin Kit Fox, San Joaquin Woollythreads
29S26E: S17	San Joaquin Kit Fox
29S26E: S18-19	San Joaquin Woollythreads
29S26E: S2-3	San Joaquin Kit Fox
29S26E: S20-30	San Joaquin Kit Fox, San Joaquin Woollythreads
29S26E: S31-36	San Joaquin Kit Fox
29S26E: S5-7	San Joaquin Woollythreads
29S26E: S9-12	San Joaquin Kit Fox
29S27E: S1-4	San Joaquin Kit Fox
29S27E: S17-21	San Joaquin Kit Fox, San Joaquin Woollythreads
29S27E: S22,27	San Joaquin Kit Fox
29S27E: S28-30	San Joaquin Kit Fox, San Joaquin Woollythreads
29S27E: S31-33	San Joaquin Kit Fox
29S27E: S5-6	San Joaquin Kit Fox, San Joaquin Woollythreads
29S27E: S7-8,15-16	San Joaquin Kit Fox
29S28E: S1	Bakersfield Cactus, San Joaquin Kit Fox
29S28E: S10	Bakersfield Cactus, San Joaquin Kit Fox, San Joaquin Woollythreads, Valley Elderberry Longhorn Beetle
29S28E: S11	Bakersfield Cactus, San Joaquin Kit Fox, San Joaquin Woollythreads
29S28E: S12	Bakersfield Cactus, San Joaquin Kit Fox
29S28E: S13	San Joaquin Kit Fox
29S28E: S14	Bakersfield Cactus, San Joaquin Kit Fox
29S28E: S15	San Joaquin Kit Fox, San Joaquin Woollythreads
29S28E: S17-18,22-23	San Joaquin Kit Fox

## Section List - Kern County

Sections	Species
29S28E: S2-3	Bakersfield Cactus, San Joaquin Kit Fox, San Joaquin Woollythreads
29S28E: S24-25	Bakersfield Cactus, San Joaquin Kit Fox
29S28E: S26,33-36	San Joaquin Kit Fox
29S28E: S4	San Joaquin Kit Fox, San Joaquin Woollythreads, Valley Elderberry Longhorn Beetle
29S28E: S5-7	San Joaquin Kit Fox
29S28E: S8	Bakersfield Cactus, San Joaquin Kit Fox
29S28E: S9	San Joaquin Kit Fox, San Joaquin Woollythreads, Valley Elderberry Longhorn Beetle
29S29E: S1-4	San Joaquin Kit Fox
29S29E: S13	Bakersfield Cactus, San Joaquin Kit Fox
29S29E: S14	San Joaquin Kit Fox
29S29E: S15-18	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S29E: S19	Bakersfield Cactus, Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S29E: S20-22	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S29E: S23	San Joaquin Kit Fox
29S29E: S24	Bakersfield Cactus, San Joaquin Kit Fox
29S29E: S25-26	San Joaquin Kit Fox
29S29E: S27-29	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S29E: S30	Bakersfield Cactus, Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
29S29E: S31-36	San Joaquin Kit Fox
29S29E: S5-6	Bakersfield Cactus, San Joaquin Kit Fox
29S29E: S7-12	San Joaquin Kit Fox
29S30E: S5	San Joaquin Kit Fox
29S30E: S6	Bakersfield Cactus, San Joaquin Kit Fox
29S30E: S7-8,17-21,28-34	San Joaquin Kit Fox
29S32E: S2-4,9-11,14-15	Kern Primrose Sphinx Moth
29S38E: S24-27,32-34	Desert Tortoise
29S38E: S35	Desert Tortoise, Western Snowy Plover
29S38E: S36	Desert Tortoise
29S39E: S1,10-17,19-36	Desert Tortoise
29S40E: S1-36	Desert Tortoise
29S41E: S30-31	Desert Tortoise
30S20E: S1-2,11-14,23-26,35-36	San Joaquin Kit Fox
30S21E: S1-11	San Joaquin Kit Fox
30S21E: S12-13	Giant Kangaroo Rat, San Joaquin Kit Fox
30S21E: S14-23	San Joaquin Kit Fox
30S21E: S24	Giant Kangaroo Rat, San Joaquin Kit Fox
30S21E: S25-29,33-36	San Joaquin Kit Fox

## Section List - Kern County

Sections	Species
30S22E: S1	Giant Kangaroo Rat, San Joaquin Kit Fox
30S22E: S10-11	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
30S22E: S12-16	San Joaquin Kit Fox
30S22E: S17-20	Giant Kangaroo Rat, San Joaquin Kit Fox
30S22E: S2	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, San Joaquin Kit Fox
30S22E: S21-26	San Joaquin Kit Fox
30S22E: S27-30	Giant Kangaroo Rat, San Joaquin Kit Fox
30S22E: S3-5	Blunt-nosed Leopard Lizard, Kern Mallow, San Joaquin Kit Fox
30S22E: S31	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
30S22E: S32-33	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, San Joaquin Kit Fox
30S22E: S34-35	Giant Kangaroo Rat, San Joaquin Kit Fox
30S22E: S36	San Joaquin Kit Fox
30S22E: S6-7	San Joaquin Kit Fox
30S22E: S8-9	Blunt-nosed Leopard Lizard, Kern Mallow, San Joaquin Kit Fox
30S23E: S1	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
30S23E: S11-36	San Joaquin Kit Fox
30S23E: S2	San Joaquin Kit Fox
30S23E: S3-6	Giant Kangaroo Rat, San Joaquin Kit Fox
30S23E: S7-8	San Joaquin Kit Fox
30S23E: S9-10	Giant Kangaroo Rat, San Joaquin Kit Fox
30S24E: S1-8	San Joaquin Kit Fox
30S24E: S11	Giant Garter Snake, San Joaquin Kit Fox, Tipton Kangaroo Rat
30S24E: S12	San Joaquin Kit Fox
30S24E: S13	San Joaquin Kit Fox, Tipton Kangaroo Rat
30S24E: S14	Giant Garter Snake, San Joaquin Kit Fox, Tipton Kangaroo Rat
30S24E: S15-16	Giant Garter Snake, Giant Kangaroo Rat, San Joaquin Kit Fox, Tipton Kangaroo Rat
30S24E: S17	Giant Kangaroo Rat, San Joaquin Kit Fox, Tipton Kangaroo Rat
30S24E: S18-19	San Joaquin Kit Fox
30S24E: S20-22	Giant Kangaroo Rat, San Joaquin Kit Fox, Tipton Kangaroo Rat
30S24E: S23-24	San Joaquin Kit Fox, Tipton Kangaroo Rat
30S24E: S25-26	San Joaquin Kit Fox
30S24E: S27-28	Giant Kangaroo Rat, San Joaquin Kit Fox, Tipton Kangaroo Rat
30S24E: S29-36	San Joaquin Kit Fox
30S24E: S9-10	Giant Garter Snake, San Joaquin Kit Fox
30S25E: S1-2	San Joaquin Kit Fox
30S25E: S11	San Joaquin Kit Fox
30S25E: S12	San Joaquin Kit Fox, San Joaquin Woollythreads

## Section List - Kern County

Sections	Species
30S25E: S13-27	San Joaquin Kit Fox
30S25E: S28	Giant Garter Snake, San Joaquin Kit Fox
30S25E: S29-31	San Joaquin Kit Fox
30S25E: S3-6	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
30S25E: S32-33	Giant Garter Snake, San Joaquin Kit Fox
30S25E: S34	Blunt-nosed Leopard Lizard, Giant Garter Snake, San Joaquin Kit Fox
30S25E: S35	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
30S25E: S36	San Joaquin Kit Fox
30S25E: S7	San Joaquin Kit Fox
30S25E: S8-10	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
30S26E: S1-7	San Joaquin Kit Fox
30S26E: S33	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
30S26E: S34-36	San Joaquin Kit Fox
30S26E: S8	San Joaquin Kit Fox, San Joaquin Woollythreads
30S26E: S9-32	San Joaquin Kit Fox
30S27E: S6-8,13-36	San Joaquin Kit Fox
30S28E: S1-5,8-23,27-36	San Joaquin Kit Fox
30S29E: S1-12	San Joaquin Kit Fox
30S29E: S13	San Joaquin Woollythreads
30S29E: S16-18	San Joaquin Kit Fox
30S29E: S24	San Joaquin Woollythreads
30S29E: S25	Bakersfield Cactus, San Joaquin Kit Fox, San Joaquin Woollythreads
30S29E: S26-28,32-36	San Joaquin Kit Fox
30S30E: S10	Bakersfield Cactus, San Joaquin Kit Fox, San Joaquin Woollythreads
30S30E: S11	Bakersfield Cactus, San Joaquin Kit Fox
30S30E: S12,14	Bakersfield Cactus
30S30E: S15	Bakersfield Cactus, California Jewel-flower, San Joaquin Woollythreads
30S30E: S16	California Jewel-flower, San Joaquin Kit Fox, San Joaquin Woollythreads
30S30E: S17	Bakersfield Cactus, California Jewel-flower, San Joaquin Kit Fox, San Joaquin Woollythreads
30S30E: S18-19	Bakersfield Cactus, San Joaquin Woollythreads
30S30E: S2-7	San Joaquin Kit Fox
30S30E: S20-21	California Jewel-flower, San Joaquin Woollythreads
30S30E: S29	San Joaquin Woollythreads
30S30E: S30	Bakersfield Cactus, San Joaquin Kit Fox, San Joaquin Woollythreads
30S30E: S31-35	San Joaquin Kit Fox
30S30E: S8-9	Bakersfield Cactus, California Jewel-flower, San Joaquin Kit Fox, San Joaquin Woollythreads
30S31E: S19	Valley Elderberry Longhorn Beetle

## Section List - Kern County

Sections	Species
30S31E: S24	Bakersfield Cactus
30S32E: S16-19	Bakersfield Cactus
30S32E: S24	Valley Elderberry Longhorn Beetle
30S33E: S19	Valley Elderberry Longhorn Beetle
30S37E: S1,11-15,21-29,31-36	Desert Tortoise
30S38E: S1-4	Desert Tortoise, Western Snowy Plover
30S38E: S18-19	Desert Tortoise
30S38E: S20-24	Desert Tortoise, Western Snowy Plover
30S38E: S25	Desert Tortoise
30S38E: S26-28	Desert Tortoise, Western Snowy Plover
30S38E: S29-36	Desert Tortoise
30S38E: S5-7	Desert Tortoise
30S38E: S8-17	Desert Tortoise, Western Snowy Plover
30S39E: S1-36	Desert Tortoise
30S40E: S1-36	Desert Tortoise
30S41E: S31	Desert Tortoise
31S22E: S1	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S22E: S10	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, San Joaquin Kit Fox
31S22E: S11-14	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S22E: S15	San Joaquin Kit Fox
31S22E: S16	Blunt-nosed Leopard Lizard, Kern Mallow, San Joaquin Kit Fox
31S22E: S17	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, Kern Mallow, San Joaquin Kit Fox
31S22E: S18	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S22E: S19	San Joaquin Kit Fox
31S22E: S2	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, San Joaquin Kit Fox
31S22E: S20	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, San Joaquin Kit Fox
31S22E: S21-22	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S22E: S23-24	San Joaquin Kit Fox
31S22E: S25	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S22E: S26	San Joaquin Kit Fox
31S22E: S27-29	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S22E: S3	Giant Kangaroo Rat, San Joaquin Kit Fox
31S22E: S30-36	San Joaquin Kit Fox
31S22E: S4-5	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, San Joaquin Kit Fox
31S22E: S6-7	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S22E: S8	Blunt-nosed Leopard Lizard, Kern Mallow, San Joaquin Kit Fox
31S22E: S9	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, Kern Mallow, San Joaquin Kit Fox

## Section List - Kern County

Sections	Species
31S23E: S1-3	San Joaquin Kit Fox
31S23E: S10-11	San Joaquin Kit Fox
31S23E: S12-14	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S23E: S15-16	San Joaquin Kit Fox
31S23E: S17	Giant Kangaroo Rat, San Joaquin Kit Fox
31S23E: S18	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S23E: S19-22	San Joaquin Kit Fox
31S23E: S23-26	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S23E: S27	San Joaquin Kit Fox
31S23E: S28-34	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S23E: S35-36	San Joaquin Kit Fox
31S23E: S4-5	Giant Kangaroo Rat, San Joaquin Kit Fox
31S23E: S6-7	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, San Joaquin Kit Fox
31S23E: S8-9	Giant Kangaroo Rat, San Joaquin Kit Fox
31S24E: S1-9	San Joaquin Kit Fox
31S24E: S10	California Jewel-flower, San Joaquin Kit Fox
31S24E: S11	Blunt-nosed Leopard Lizard, California Jewel-flower, San Joaquin Kit Fox
31S24E: S12	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
31S24E: S13	Blunt-nosed Leopard Lizard, Giant Garter Snake, San Joaquin Kit Fox, Tipton Kangaroo Rat
31S24E: S14-15	Blunt-nosed Leopard Lizard, California Jewel-flower, San Joaquin Kit Fox
31S24E: S16	California Jewel-flower, San Joaquin Kit Fox
31S24E: S17	San Joaquin Kit Fox
31S24E: S18-20	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S24E: S21	California Jewel-flower, San Joaquin Kit Fox
31S24E: S22-23	Blunt-nosed Leopard Lizard, California Jewel-flower, San Joaquin Kit Fox
31S24E: S24	Blunt-nosed Leopard Lizard, Giant Garter Snake, Tipton Kangaroo Rat
31S24E: S25	Giant Garter Snake
31S24E: S26-29	San Joaquin Kit Fox
31S24E: S30	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S24E: S31-35	San Joaquin Kit Fox
31S25E: S1	San Joaquin Kit Fox, Tipton Kangaroo Rat
31S25E: S16	Tipton Kangaroo Rat
31S25E: S17-20	Blunt-nosed Leopard Lizard, Giant Garter Snake, Tipton Kangaroo Rat
31S25E: S2	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
31S25E: S24	San Joaquin Kit Fox, Tipton Kangaroo Rat
31S25E: S29-30	Giant Garter Snake
31S25E: S3	Blunt-nosed Leopard Lizard, Giant Garter Snake, San Joaquin Kit Fox, Tipton Kangaroo Rat

## Section List - Kern County

Sections	Species
31S25E: S4-5	Giant Garter Snake, San Joaquin Kit Fox, Tipton Kangaroo Rat
31S25E: S6	San Joaquin Kit Fox
31S25E: S7-8	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox, Tipton Kangaroo Rat
31S25E: S9-15	San Joaquin Kit Fox, Tipton Kangaroo Rat
31S26E: S1-3	San Joaquin Kit Fox
31S26E: S18-19	San Joaquin Kit Fox, Tipton Kangaroo Rat
31S26E: S20-22	Giant Kangaroo Rat, San Joaquin Kit Fox
31S26E: S23-26	San Joaquin Kit Fox
31S26E: S27-29	Giant Kangaroo Rat, San Joaquin Kit Fox
31S26E: S30	San Joaquin Kit Fox
31S26E: S32	Giant Kangaroo Rat
31S26E: S33-34	Giant Kangaroo Rat, San Joaquin Kit Fox
31S26E: S35-36	San Joaquin Kit Fox
31S26E: S4	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S26E: S5-8	San Joaquin Kit Fox, Tipton Kangaroo Rat
31S26E: S9-17	San Joaquin Kit Fox
31S27E: S1-36	San Joaquin Kit Fox
31S28E: S1-24	San Joaquin Kit Fox
31S28E: S25	San Joaquin Kit Fox, Tipton Kangaroo Rat
31S28E: S26-36	San Joaquin Kit Fox
31S29E: S1-26,28-36	San Joaquin Kit Fox
31S30E: S2-11,14-20	San Joaquin Kit Fox
31S30E: S21-23	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S30E: S26	Blunt-nosed Leopard Lizard
31S30E: S27-28	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
31S30E: S29-33	San Joaquin Kit Fox
31S36E: S12-13,23-26,35-36	Desert Tortoise
31S37E: S1-36	Desert Tortoise
31S38E: S1-36	Desert Tortoise
31S39E: S1-36	Desert Tortoise
31S40E: S1-36	Desert Tortoise
31S41E: S6-7	Desert Tortoise
32S23E: S1-2	San Joaquin Kit Fox
32S23E: S12-13	San Joaquin Kit Fox
32S23E: S14-15	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
32S23E: S16	Blunt-nosed Leopard Lizard, Giant Kangaroo Rat, San Joaquin Kit Fox
32S23E: S17-18	San Joaquin Kit Fox
32S23E: S19-20	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox



## Section List - Kern County

Sections	Species
32S23E: S21	San Joaquin Kit Fox
32S23E: S22	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
32S23E: S23-36	San Joaquin Kit Fox
32S23E: S3-11	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
32S24E: S12	Giant Kangaroo Rat, San Joaquin Kit Fox
32S24E: S13-27	San Joaquin Kit Fox
32S24E: S2-11	San Joaquin Kit Fox
32S24E: S28	Blunt-nosed Leopard Lizard, San Joaquin Kit Fox
32S24E: S29-36	San Joaquin Kit Fox
32S25E: S13	San Joaquin Kit Fox
32S25E: S17-18	Giant Kangaroo Rat, San Joaquin Kit Fox
32S25E: S19-20	San Joaquin Kit Fox, Tipton Kangaroo Rat
32S25E: S21	San Joaquin Kit Fox
32S25E: S22-23	Tipton Kangaroo Rat
32S25E: S24-28	San Joaquin Kit Fox
32S25E: S29	San Joaquin Kit Fox, Tipton Kangaroo Rat
32S25E: S30-36	San Joaquin Kit Fox
32S25E: S5-6	Giant Kangaroo Rat
32S25E: S7	Giant Kangaroo Rat, San Joaquin Kit Fox
32S25E: S8	Giant Kangaroo Rat
32S26E: S7-8	San Joaquin Kit Fox, Tipton Kangaroo Rat
32S26E: S9-10,13-36	San Joaquin Kit Fox
32S27E: S1-2,18-19,24-36	San Joaquin Kit Fox
32S28E: S1-3	San Joaquin Kit Fox, Tipton Kangaroo Rat
32S28E: S22	Tipton Kangaroo Rat
32S28E: S30-31	San Joaquin Kit Fox
32S28E: S4-6,10-12,19	San Joaquin Kit Fox
32S29E: S1-16,21-22	San Joaquin Kit Fox
32S29E: S23	Bakersfield Cactus, San Joaquin Kit Fox
32S29E: S24-25	San Joaquin Kit Fox
32S29E: S26	Bakersfield Cactus, San Joaquin Kit Fox
32S29E: S27-28,32-36	San Joaquin Kit Fox
32S30E: S5	Bakersfield Cactus, San Joaquin Kit Fox
32S30E: S6-8,17-20,27-34	San Joaquin Kit Fox
32S36E: S1-2,11-15,22-27,34-36	Desert Tortoise
32S37E: S1-36	Desert Tortoise
32S38E: S1-36	Desert Tortoise
32S39E: S1-36	Desert Tortoise

# Section List - Kern County

Sections	Species
32S40E: S1-36	Desert Tortoise